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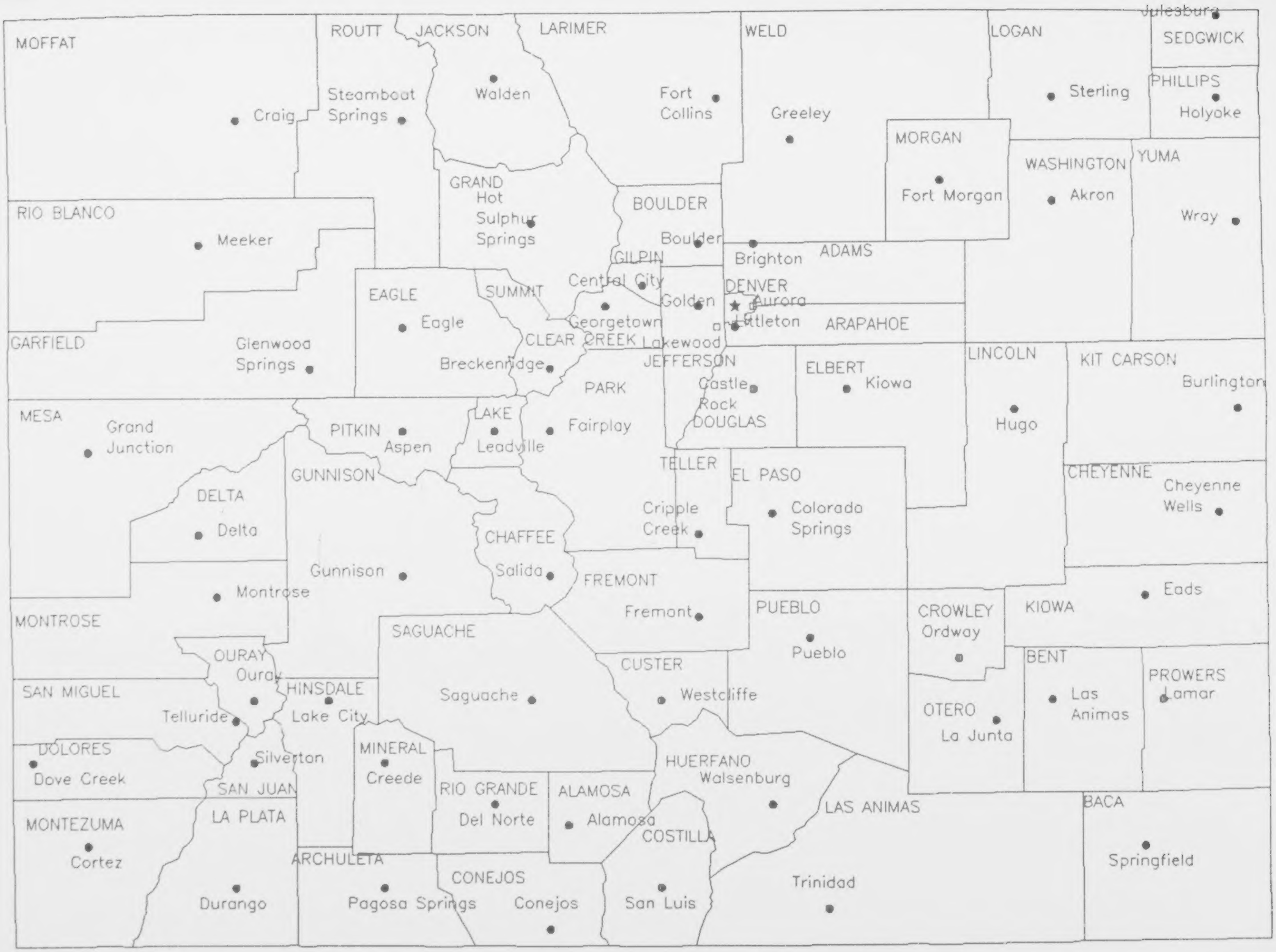
COLORADO VITAL STATISTICS 198[illegible]

Colorado Department of Health
Health Statistics and Vital Records Division
Health Statistics Section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COLORADO VITAL STATISTICS
1989

Colorado Department of Health
Health Statistics and Vital Records Division
Health Statistics Section, Room 227
4210 East 11th Avenue
Denver, CO 80220

303-331-4885

Keith S. Murray, Editor
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COLORADO
DEPARTMENT
OF HEALTH

4210 East 11th Avenue
Denver, Colorado 80220-3716
Phone (303) 320-8333

Telefax Numbers:
Main Building/Denver
(303) 322-9076
Ptarmigan Place/Denver
(303) 320-1529
First National Bank Building/Denver
(303) 355-6559
Grand Junction Office
(303) 248-7198
Pueblo Office
(719) 543-8441

ROY ROMER
Governor

JOEL KOHN
Interim Executive Director

It is my pleasure to release Colorado Vital Statistics, 1989, which is the most varied and complete compilation of vital statistics ever produced for our state. The report contains detailed information on topics ranging from prenatal care to mortality, and will be a valuable resource for all those interested in the health status of Coloradans.

This edition of Colorado Vital Statistics is dedicated to Dr. Thomas M. Vernon. During his time as executive director of the Colorado Department of Health and throughout his 25-year career in public health, Dr. Vernon has exemplified both the knowledge and leadership needed to transform the results of health research into effective public policy. We thank him for his work here in Colorado and extend our best wishes to him in his new role as program director of health and human services for the Pew Charitable Trusts in Philadelphia.

Joel Kohn
Interim Executive Director
Colorado Department of Health

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Part One. Data Highlights for 1989

Population:		3,316,834	Slow growth continued, with the state's population increasing by an estimated 16,732 between midyear 1988 and 1989. An improved economy was expected to contribute to higher population growth in 1989-1990 and beyond.
Live Births:	Number	52,697	Fewer Colorado babies were born in 1989 than in any year since 1981, while the birth rate (births per 1,000 population) reached a 13-year low. It was the first time since 1968 that the state's birth rate was lower than the U.S. rate of 16.2.
	Birth Rate	15.9	
	General Fertility Rate	65.3	
Low Weight Births:	Number	4,087	Babies weighing less than 2,500 grams (5 lb 8 oz or less) have accounted for between 7.6 and 7.9 percent of births in the years since 1982. Colorado continues to have high proportions of low weight births compared to most states. Only 6.9 percent of U.S. births were of low weight in 1988.
	Percent	7.8	
Births to Unmarried Women:	Number	10,787	A record high proportion of Colorado births were to unmarried mothers. U.S. rates continue to be higher, with over one-fourth of all babies in the nation being born to unmarried women.
	Percent	20.5	
Marriages:	Number	31,934	Marriages increased by about 500 from the total in 1988, but the marriage rate (marriages per 1,000 population) remained lower than at any time since the mid-1960s.
	Rate	9.6	
Marriage Dissolutions:	Number	18,686	The number of divorces and annulments changed little from counts the year before. The marriage dissolution rate was near a 20-year low (dissolutions per 1,000 population), but continued to exceed the U.S. rate (4.7).
	Rate	5.6	
Deaths:	Number	21,056	The state's crude death rate (deaths per 1,000 population) has changed little since 1979. However, Colorado's age-adjusted death rate, adjusting for age differences in populations, reached a new low of 4.4 per 1,000 population, 15 percent lower than the U.S. rate of 5.2 (Direct-Adjusted, 1940 standard).
	Crude Rate	6.3	
	Age-Adjusted Death Rate	4.4	
Infant Deaths:	Number	459	The state experienced its second-lowest infant mortality rate (infant deaths per 1,000 live births) ever in 1989. However, the state's black infant mortality rate of 13.9 was one-and-a-half times higher than the white rate of 7.9. The Colorado Hispanic infant mortality rate was 10.4 in 1989. The U.S. infant mortality rate stood at 10.0.
	Rate	8.7	
Induced Terminations of Pregnancy:	Number	12,445	The number of reported induced terminations of pregnancy was almost unchanged between 1988 and 1989.

Marriage, marriage dissolution and induced termination of pregnancy data are for events occurring in the state. All other data are for resident events, and include those occurring to Colorado residents outside the state.

Introduction

Vital statistics, charting major events of our lives from birth through death, provide a unique source of information about our health and behavior and how they change over time. This edition of *Colorado Vital Statistics* represents a newly revised and expanded presentation of the state's births, deaths, marriages, divorces, spontaneous fetal deaths, induced terminations of pregnancy and adoptions for 1989 and past years.

Several contrasting views of Coloradans emerge from the data contained here. In one view, Coloradans appear to be generally healthy and long-lived. Our life expectancy exceeds that of the United States as a whole. We experience relatively low death rates from the two leading killers of heart disease and cancer. Our babies survive at higher-than-national rates.

Another view admits these favorable points but also sees other less positive features that have proven difficult to overcome. A greater proportion of our babies are born small than in the nation as a whole. One-fourth of our babies receive late or no prenatal care. Teen childbearing has increased in recent years. Suicide rates in the state and elsewhere in the Rocky Mountain region remain high. Death rates for respiratory diseases are increasingly high. AIDS continues to claim greater number of lives each year.

A closer look at the data reveals that all Coloradans do not share equally in good health. Black Coloradans have shorter life expectancies, higher infant mortality rates and higher death rates from most leading causes than white Coloradans. Hispanic Coloradans experience high death rates from unintentional injuries, diabetes and liver disease. Vital statistics vary considerably from place to place.

It is hoped that the information in this report contributes to a better understanding of the health status of all Coloradans.

Using These Data

People using these and other vital statistics are urged to consider four basic points about the data in order to use the data more effectively.

1. Small Numbers

Many of the rates and percentages found in tables here are based on small numbers of events or events occurring in small populations. In such cases, care must be used in interpreting the data because the difference of even one event can affect a rate or percentage. Aggregating data either by multiple years or geographic places or calculating confidence intervals in order to infer significance are two ways of dealing with small numbers of events.

2. Resident and Occurrence Data

Data in this report have been compiled in several ways. Resident data unless otherwise noted are for events that took place to people reported as being residents of Colorado, including events occurring outside the state. Most of the birth and death data appearing here are in this category. Interstate exchange of birth and death data make such compilation possible. Resident data for specific cities or counties are for Coloradans who were reported as residents of these places.

Occurrence data unless otherwise noted are for events that took place in Colorado regardless of place of residency. Marriage and marriage dissolution data are examples of occurrence data found here. County-specific marriage and marriage dissolution data are for events reported as occurring in those counties.

Induced termination of pregnancy and spontaneous fetal death data also are for events occurring in Colorado. In cases where resident data for these events are presented, counts are for those resident events occurring in the state only, and do not include what may have occurred to Colorado residents while they were outside the state.

3. Changes from Past Editions of *Colorado Vital Statistics*

Vital records forms were revised in 1989 for the first time in a decade. Birth certificates, especially, now contain more information than had been available. This report contains information on many of the new items, such as method of delivery, risk factors for the pregnancy, and clinical estimates of gestation, as well as greater detail for existing items.

Another change in reporting involved additions of checkbox items, not only for the new fields mentioned above but for congenital anomalies, which formerly were written out on the birth record. In the past, individual congenital anomalies were coded to specific International Classification of Diseases classifications. Beginning in 1989, congenital anomalies are reported by more general malformation categories. Completeness of reporting appears to have improved with the change to checkboxes for this data item.

A major change in reporting forms has yielded more complete data for vital events for Hispanics. In the past, ethnic origin was an open field in which information for all ethnic backgrounds was reported, including an increasing proportion of people identifying themselves as "American." In 1989, birth and death records were changed to ask specifically if mothers, fathers or decedents were of Hispanic origin, and to ask for information on specific Hispanic groups, such as Mexicans or Cubans.

Birth tables have been revised to show race and ethnicity of mother rather than that of child. The section of the report treating births by race explains this change in detail.

Another change found here is the exclusion of reported pregnancy data. The loss of detailed early spontaneous fetal death (<20 weeks gestation) data in 1989 (see fetal death chapter for explanation) has resulted in the inability to compile pregnancy statistics comparable to those prepared in the past. Users are urged to consider fertility (childbearing) data as the most reliable when assessing pregnancy trends. Detailed induced termination of pregnancy and late spontaneous fetal death (20+ weeks gestation) data continue to be compiled here as well.

Finally, this edition of *Colorado Vital Statistics* includes expanded data for past years. Users will see long-range trends more clearly. The report therefore offers a more accessible record of historical vital statistics for Colorado than was previously available.

4. Data Quality

Many quality control edits are built into the vital statistics reporting and compilation system. However, as with many large, complex data sets, completeness and specificity of reporting vary by individual data items. The addition of new data items in 1989 presented a special challenge to ensuring data quality.

Data here generally are presented as reported. Most tables show numbers of cases unknown or not stated. Tables and narrative text explain other qualifications of the data where appropriate. Technical notes at the end of the report detail other reporting and definitional issues.

Users are urged to contact the Health Statistics Section with any questions they have about completeness and accuracy of the data.

Highlights

On an average day in Colorado in 1989, 144 resident babies were born. Eleven babies were born with low weight, 30 babies were born to unmarried women, and 16 were born to teens. Fifty-eight Coloradans died, 17 from heart disease, 13 from cancer, and 3 each from cerebrovascular disease, chronic obstructive pulmonary disease and injuries. At least 1 infant died. There were 87 marriages and 51 divorces.

This section of *Colorado Vital Statistics* presents an overview of vital statistics in Colorado in 1988. Table 1 summarizes vital events by place of residence and place where events occurred. Table 2 shows vital events by race/ethnicity for Colorado residents, and Table 3 summarizes vital statistics by month of occurrence.

Additional historical information on vital events occurring in Colorado appear in Table 4. Vital statistics rankings by state are shown on page 7.

Vital Statistics Summaries by County and Region

County rankings for selected vital statistics appear on page 9. Some rates and percentages are based on few cases. These rankings are intended for general interest only.

Table 5 summarizes Colorado birth and death statistics by county and region of residence for 1989. Table 7 shows the vital statistics by county and region of occurrence.

Because many counties in Colorado have relatively small populations or numbers of vital events, Table 6 presents five-year annual average data to better describe how places in Colorado compare.

Table 1. Colorado Vital Statistics, 1989

	VITAL STATISTICS OF COLORADO RESIDENTS BY PLACE OF OCCURRENCE			VITAL STATISTICS OF COLORADO OCCURRENCES BY PLACE OF RESIDENCE		
VITAL EVENT	TOTAL	COLORADO	OUT-OF-STATE	TOTAL	COLORADO	NON-RESIDENT
Live Births	52,697	52,376	321	52,964	52,376	588
Low Weight Births	4,087	4,053	34	4,205	4,053	152
Births to Unmarried Women	10,787	10,696	91	10,804	10,696	108
Deaths	21,056	20,539	517	21,470	20,539	931
Infant Deaths	459	447	12	502	447	55
Neonatal Deaths	270	264	6	304	264	40
Postneonatal Deaths	189	183	6	198	183	15
Spontaneous Fetal Deaths						
20+ Weeks Gestation	-	380	-	395	380	15
<20 Weeks Gestation	-	-	-	1,583	-	-
Perinatal Deaths	-	644	-	699	644	55
Reported Induced Terminations of Pregnancy	-		-	12,445	11,399	1,032
Marriages	-	-	-	31,934	-	-
Marriage Dissolutions	-	-	-	18,686	-	-

POPULATION -- TOTAL: 3,316,834 MALE: 1,647,756 FEMALE: 1,669,038

Marriage dissolutions are estimated. All other data are presented as reported. Some events, such as induced terminations of pregnancy and spontaneous fetal deaths, are underreported. Counts are for calendar year. See technical notes for definitions of data items.

Table 2. Vital Events by Race/Ethnicity: Colorado Residents, 1989

		WHITE			NON-WHITE					
VITAL EVENT	TOTAL	TOTAL WHITE	NON-SPANISH ORIGIN	SPANISH ORIGIN	TOTAL NON-WHITE	BLACK	NATIVE AMERICAN	ASIAN	OTHER	UNKNOWN/ NOT STATED
Live Births	52,697	48,233	39,859	8,374	4,402	2,748	465	1,173	16	62
Low Weight Births	4,087	3,564	2,867	697	522	392	22	104	4	1
Births to Unmarried Women	10,787	8,975	5,546	3,429	1,798	1,464	240	92	2	14
Deaths	21,056	20,115	18,281	1,834	939	741	72	126	0	2
Male	11,043	10,526	9,411	1,115	516	[illegible]3	44	59	0	1
Female	10,013	9,589	8,870	719	423	328	28	67	0	1
Infant Deaths	459	402	315	87	56	45	3	8	0	1
Neonatal Deaths	270	230	188	42	39	32	2	5	0	1
Postneonatal Deaths	189	172	127	45	17	13	1	3	0	0
Spontaneous Fetal Death 20+ Weeks Gestation	380	322	256	66	53	34	6	13	0	5

Birth and spontaneous fetal death data are by race of mother. See technical notes for definitions of race and ethnic categories.

Table 3. Colorado Vital Statistics by Place of Residence and Occurrence by Month, 1989

VITAL EVENT		TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LIVE BIRTHS:														
Residence	Number	52,697	4,099	4,006	4,478	4,431	4,618	4,498	4,633	4,739	4,514	4,327	4,155	4,199
	Percent	100.0	7.8	7.6	8.5	8.4	8.8	8.5	8.8	9.0	8.6	8.2	7.9	8.0
Occurrence	Number	52,964	4,123	4,038	4,500	4,442	4,648	4,518	4,652	4,759	4,534	4,341	4,182	4,227
	Percent	100.0	7.8	7.6	8.5	8.4	8.8	8.5	8.8	9.0	8.6	8.2	7.9	8.0
BIRTHS TO UNMARRIED WOMEN:														
Residence	Number	10,787	832	791	890	849	924	948	955	1,026	920	887	861	904
	Percent	100.0	7.7	7.3	8.3	7.9	8.6	8.8	8.9	9.5	8.5	8.2	8.0	8.4
Occurrence	Number	10,804	835	791	896	849	925	949	958	1,032	919	881	864	905
	Percent	100.0	7.7	7.3	8.3	7.9	8.6	8.8	8.9	9.6	8.5	8.2	8.0	8.4
SPONTANEOUS FETAL DEATHS - 20+ WEEKS GESTATION:														
Residence	Number	380	26	25	32	31	38	33	45	32	31	38	23	26
	Percent	100.0	6.8	6.6	8.4	8.2	10.0	8.7	11.8	8.4	8.2	10.0	6.1	6.8
Occurrence	Number	395	28	25	32	32	42	34	45	34	34	38	25	26
	Percent	100.0	7.1	6.3	8.1	8.1	10.6	8.6	11.4	8.6	8.6	9.6	6.3	6.6
DEATHS:														
Residence	Number	21,056	1,927	1,776	1,895	1,666	1,744	1,626	1,731	1,649	1,604	1,786	1,773	1,879
	Percent	100.0	9.2	8.4	9.0	7.9	8.3	7.7	8.2	7.8	7.6	8.5	8.4	8.9
Occurrence	Number	21,470	1,972	1,806	1,920	1,678	1,771	1,671	1,746	1,698	1,661	1,838	1,800	1,909
	Percent	100.0	9.2	8.4	8.9	7.8	8.2	7.8	8.1	7.9	7.7	8.6	8.4	8.9
INFANT DEATHS:														
Residence	Number	459	50	38	40	39	36	43	35	38	44	35	32	29
	Percent	100.0	10.9	8.3	8.7	8.5	7.8	9.4	7.6	8.3	9.6	7.6	7.0	6.3
Occurrence	Number	502	59	39	44	45	39	43	35	43	48	37	37	33
	Percent	100.0	11.8	7.8	8.8	9.0	7.8	8.6	7.0	8.6	9.6	7.4	7.4	6.6
MARRIAGES:														
Occurrence	Number	31,934	1,387	1,838	1,993	2,149	2,805	3,863	3,773	3,865	3,619	2,200	1,882	2,560
	Percent	100.0	4.3	5.8	6.2	6.7	8.8	12.1	11.8	12.1	11.3	6.9	5.9	8.0
MARRIAGE DISSOLUTIONS:														
Occurrence	Number	18,686	1,453	1,498	1,537	1,456	1,588	1,662	1,531	1,654	1,459	1,612	1,660	1,576
	Percent	100.0	7.8	8.0	8.2	7.8	8.5	8.9	8.2	8.9	7.8	8.6	8.9	8.4

Marriage dissolution figures for June, July and total are estimated. Resident counts for induced terminations of pregnancy and spontaneous fetal deaths include only those events occurring in Colorado. See technical notes for definitions of data items.

Table 4. Selected Vital Events: Colorado Occurrences, 1961-1989

Year	Live Births	Deaths	Infant Deaths	Neonatal Deaths	Postneonatal Deaths
1961	46,505	15,626	1,200	885	315
1962	45,676	16,403	1,121	815	306
1963	44,458	16,653	1,124	830	294
1964	42,482	16,881	1,052	777	275
1965	38,485	16,675	912	663	249
1966	36,355	16,786	854	648	206
1967	37,277	16,867	830	648	182
1968	38,322	18,268	783	590	193
1969	40,034	17,649	840	625	215
1970	42,563	18,146	856	643	213
1971	41,180	18,512	765	560	205
1972	39,488	18,516	715	515	200
1973	39,438	19,243	658	474	184
1974	39,816	18,442	663	485	178
1975	40,630	17,968	621	422	199
1976	41,349	18,671	591	392	199
1977	43,544	18,499	568	354	214
1978	44,506	18,967	541	337	204
1979	47,741	19,019	550	342	208
1980	50,167	19,515	552	363	189
1981	52,504	20,039	560	365	195
1982	55,202	20,191	557	349	208
1983	55,015	19,981	581	345	236
1984	54,570	20,885	596	353	243
1985	55,440	20,727	580	351	229
1986	55,556	21,260	537	336	201
1987	54,096	21,565	561	345	216
1988	53,518	21,735	547	327	220
1989	52,964	21,470	502	304	198

Counts are for events occurring in Colorado regardless of place of residence. Colorado occurrence counts for induced terminations of pregnancy, spontaneous fetal deaths, marriages and marriage dissolutions appear in the individual chapters for those events.

Vital Statistics Ranking of States, 1988-89

	POPULATION 1989 RANK (1,000S)		BIRTH RATE 1988 (X 1,000 POPULATION)		LOW WEIGHT BIRTH TOTAL BIRTHS 1988 (PERCENT)		LOW WEIGHT BIRTH WHITE BIRTHS 1988 (PERCENT)		BIRTHS TO UNMARRIED WOMEN 1988 (PERCENT)	
	United States	248,239	United States	15.9	United States	6.9	United States	5.6	United States	25.7
1	California	29,063	Alaska	21.4	DC	14.3	COLORADO	7.5	DC	61.7
2	New York	17,950	Utah	21.3	South Carolina	9.0	New Mexico	7.4	Mississippi	37.6
3	Texas	16,991	Arizona	18.8	Louisiana	8.8	Wyoming	7.2	Louisiana	33.5
4	Florida	12,671	California	18.8	Mississippi	8.7	Arkansas	6.7	Maryland	32.6
5	Pennsylvania	12,040	Texas	18.0	Georgia	8.4	Nevada	6.7	New Mexico	32.3
6	Illinois	11,658	New Mexico	17.9	Arkansas	8.2	South Carolina	6.3	South Carolina	30.3
7	Ohio	10,907	Hawaii	17.3	Maryland	8.1	Tennessee	6.3	New York	30.1
8	Michigan	9,273	DC	17.1	Alabama	8.0	Kentucky	6.2	Georgia	29.6
9	New Jersey	7,736	Nevada	17.1	North Carolina	8.0	West Virginia	6.2	Illinois	29.5
10	North Carolina	6,571	Louisiana	16.8	Tennessee	7.9	Georgia	6.1	Florida	28.7
11	Georgia	6,436	Georgia	16.7	COLORADO	7.8	North Carolina	6.1	Arizona	28.7
12	Virginia	6,098	Maryland	16.4	New York	7.8	Alabama	6.0	California	28.6
13	Massachusetts	5,913	COLORADO	16.2	Florida	7.7	Arizona	6.0	Alabama	27.9
14	Indiana	5,593	Mississippi	16.1	Illinois	7.5	Florida	6.0	Tennessee	27.6
15	Missouri	5,159	New Hampshire	16.0	Nevada	7.5	Louisiana	6.0	Delaware	27.1
16	Tennessee	4,940	Illinois	15.9	Delaware	7.4	Mississippi	6.0	Pennsylvania	26.5
17	Wisconsin	4,867	South Carolina	15.9	Michigan	7.3	Oklahoma	6.0	Arkansas	26.5
18	Washington	4,761	Delaware	15.8	New Mexico	7.2	Montana	5.9	Ohio	26.4
19	Maryland	4,694	Idaho	15.7	New Jersey	7.0	New York	5.9	North Carolina	26.3
20	Louisiana	4,382	New York	15.7	Virginia	7.0	Texas	5.9	Missouri	25.0
21	Minnesota	4,353	South Dakota	15.7	Wyoming	7.0	Hawaii	5.8	New Jersey	24.3
22	Alabama	4,118	Washington	15.6	Hawaii	6.9	Indiana	5.8	Connecticut	23.8
23	Kentucky	3,727	Kansas	15.5	Ohio	6.9	Maryland	5.8	Virginia	23.8
24	Arizona	3,556	Minnesota	15.5	Pennsylvania	6.9	Connecticut	5.7	Oregon	23.6
25	South Carolina	3,512	Virginia	15.5	Missouri	6.8	Michigan	5.7	Alaska	23.4
26	COLORADO	3,317	New Jersey	15.3	Texas	6.8	Ohio	5.7	Rhode Island	22.9
27	Connecticut	3,239	Michigan	15.1	Connecticut	6.7	Delaware	5.6	Indiana	22.7
28	Oklahoma	3,224	North Dakota	15.1	Kentucky	6.7	Missouri	5.6	West Virginia	22.7
29	Iowa	2,840	Massachusetts	15.0	Indiana	6.6	Rhode Island	5.6	Oklahoma	22.4
30	Oregon	2,820	North Carolina	15.0	Oklahoma	6.5	Utah	5.6	Washington	22.3
31	Mississippi	2,621	Wyoming	15.0	West Virginia	6.4	Illinois	5.5	Massachusetts	22.2
32	Kansas	2,513	Connecticut	14.9	Arizona	6.2	Kansas	5.5	Hawaii	22.2
33	Arkansas	2,406	Florida	14.9	Kansas	6.1	Pennsylvania	5.5	Kentucky	22.0
34	West Virginia	1,857	Missouri	14.9	California	6.0	Massachusetts	5.4	Wisconsin	21.9
35	Utah	1,707	Nebraska	14.9	Massachusetts	6.0	New Jersey	5.4	Michigan	21.6
36	Nebraska	1,611	Alabama	14.8	Montana	6.0	Virginia	5.4	South Dakota	20.9
37	New Mexico	1,528	Ohio	14.8	Rhode Island	6.0	DC	5.3	Montana	20.8
38	Maine	1,222	Indiana	14.7	Utah	5.7	Iowa	5.2	Maine	20.3
39	Hawaii	1,112	Arkansas	14.6	Nebraska	5.5	California	5.1	Texas	19.7
40	Nevada	1,111	Oklahoma	14.6	Iowa	5.4	Idaho	5.1	COLORADO	19.6
41	New Hampshire	1,107	Vermont	14.6	Wisconsin	5.4	Nebraska	5.1	Nevada	19.1
42	Idaho	1,014	Wisconsin	14.6	Washington	5.3	Oregon	5.0	Vermont	18.6
43	Rhode Island	998	Montana	14.5	Oregon	5.2	Vermont	4.9	Minnesota	18.3
44	Montana	806	Oregon	14.5	Idaho	5.1	Maine	4.8	Nebraska	18.1
45	South Dakota	715	Tennessee	14.4	Alaska	5.0	New Hampshire	4.8	Kansas	18.1
46	Delaware	673	Maine	14.3	Minnesota	5.0	Washington	4.8	Iowa	17.7
47	North Dakota	660	Rhode Island	14.3	Vermont	5.0	Wisconsin	4.7	Wyoming	17.2
48	DC	604	Pennsylvania	13.8	Maine	4.9	Alaska	4.6	North Dakota	15.6
49	Vermont	567	Kentucky	13.7	New Hampshire	4.8	Minnesota	4.6	New Hampshire	14.4
50	Alaska	527	Iowa	13.5	North Dakota	4.8	North Dakota	4.6	Idaho	14.1
51	Wyoming	475	West Virginia	11.6	South Dakota	4.7	South Dakota	4.6	Utah	11.7

Statistics for Colorado here may differ somewhat from those elsewhere in this report. Data are from the National Center for Health Statistics rather than from the state's own files. Data are by state of residence except for marriage and divorces, which are by state of occurrence.

Vital Statistics Ranking of States, Continued.

RANK	BIRTHS WITH LATE OR NO PRENATAL CARE 1988 RANK (PERCENT)		CRUDE DEATH RATES 1988 (X 100,000 POPULATION)		INFANT MORTALITY RATE 1988 (X 1,000 BIRTHS)		MARRIAGE RATE 1989 (X 1,000 POPULATION)		DIVORCE RATE 1989 (X 1,000 POPULATION)	
	United States	6.1	United States	882.0	United States	10.0	United States	9.7	United States	
1	New Mexico	16.1	DC	1,242.1	DC	23.2	Nevada	106.3	Nevada	11.9
2	Texas	11.5	Florida	1,062.4	Georgia	12.6	Hawaii	16.2	Oklahoma	7.1
3	DC	11.2	West Virginia	1,055.1	North Carolina	12.5	South Carolina	15.5	Arkansas	6.8
4	Arizona	10.2	Pennsylvania	1,050.1	Mississippi	12.3	Arkansas	14.4	Arizona	6.5
5	South Carolina	10.1	Arkansas	1,039.8	South Carolina	12.3	Kentucky	13.5	Tennessee	6.5
6	Nevada	9.4	Missouri	988.9	Alabama	12.1	Tennessee	13.2	Wyoming	6.4
7	Florida	8.2	New York	984.5	Delaware	11.8	Idaho	12.9	Alaska	6.3
8	Arkansas	7.3	Iowa	983.4	Alaska	11.6	Virginia	11.3	Florida	6.3
9	Georgia	6.9	Rhode Island	979.2	Illinois	11.3	Alaska	11.0	Alabama	6.1
10	Louisiana	6.9	Massachusetts	959.1	Maryland	11.3	Florida	10.9	Idaho	6.0
11	New York	6.9	Maine	955.9	Michigan	11.1	Utah	10.9	Washington	5.7
12	Alabama	6.4	Kentucky	955.6	Indiana	11.0	Vermont	10.6	COLORADO	5.6
13	Oregon	6.4	Alabama	953.9	Louisiana	11.0	Oklahoma	10.3	Kentucky	5.5
14	Oklahoma	6.3	New Jersey	950.8	New York	10.8	Texas	10.3	Texas	5.5
15	California	6.1	Mississippi	947.9	Tennessee	10.8	Alabama	10.2	Oregon	5.4
16	West Virginia	5.9	Tennessee	935.1	Arkansas	10.7	Maine	10.2	Hawaii	5.1
17	South Dakota	5.8	Nebraska	928.3	Kentucky	10.7	New Hampshire	10.2	Missouri	5.1
18	Pennsylvania	5.7	Oklahoma	926.3	Florida	10.6	Arizona	10.1	Montana	5.1
19	Idaho	5.6	South Dakota	922.7	North Dakota	10.5	Maryland	10.1	West Virginia	5.1
20	North Carolina	5.6	Ohio	922.4	Virginia	10.4	Indiana	9.9	Kansas	5.0
21	Hawaii	5.4	Kansas	921.5	Missouri	10.1	Missouri	9.9	New Mexico	5.0
22	New Jerey	5.4	Illinois	906.2	South Dakota	10.1	South Dakota	9.9	Mississippi	4.9
23	COLORADO	5.3	Indiana	900.6	New Mexico	10.0	Georgia	9.8	North Carolina	4.9
24	Tennessee	5.2	Oregon	896.6	New Jersey	9.9	Wyoming	9.7	Georgia	4.7
25	Illinois	5.1	North Carolina	888.3	Pennsylvania	9.9	COLORADO	9.6	Maine	4.7
26	Montana	5.1	Wisconsin	886.3	Arizona	9.7	Kansas	9.3	New Hampshire	4.7
27	Kentucky	5.0	Connecticut	883.9	Ohio	9.7	Mississippi	9.3	Utah	4.7
28	Washington	5.0	Delaware	874.1	COLORADO	9.6	Washington	9.2	Ohio	4.5
29	Indiana	4.9	Michigan	867.4	Nebraska	9.0	Massachusetts	9.0	Delaware	4.4
30	Wyoming	4.6	Louisiana	853.0	Oklahoma	9.0	New York	9.0	Vermont	4.4
31	Minnesota	4.4	North Dakota	849.2	Texas	9.0	Ohio	9.0	California	4.3
32	Missouri	4.4	South Carolina	848.1	Washington	9.0	Louisiana	8.9	Michigan	4.3
33	Maryland	4.2	Montana	842.4	West Virginia	9.0	Delaware	8.8	South Carolina	4.2
34	Virginia	4.2	Vermont	837.7	Connecticut	8.9	Iowa	8.5	Virginia	4.2
35	Delaware	4.1	Maryland	836.3	Wyoming	8.9	Michigan	8.4	DC	4.0
36	Mississippi	4.1	Minnesota	823.0	Idaho	8.8	Montana	8.3	Illinois	4.0
37	Alaska	4.0	Georgia	814.0	Iowa	8.7	New Mexico	8.3	Nebraska	3.9
38	Connecticut	3.9	New Hampshire	808.3	Montana	8.7	Oregon	8.3	South Dakota	3.7
39	Kansas	3.8	Nevada	804.0	California	8.6	Rhode Island	8.3	Minnesota	3.6
40	Ohio	3.8	Arizona	793.5	Oregon	8.6	Wisconsin	8.3	Rhode Island	3.6
41	Michigan	3.7	Virginia	791.5	Nevade	8.4	Connecticut	8.2	Wisconsin	3.6
42	Vermont	3.7	Washington	781.8	Wisconsin	8.4	California	8.1	Iowa	3.5
43	Wisconsin	3.3	Idaho	767.8	New Hampshire	8.3	DC	7.9	North Dakota	3.4
44	Nebraska	3.2	California	761.1	Rhode Island	8.2	Minnesota	7.9	Maryland	3.3
45	Massachusetts	3.1	Texas	729.6	Kansas	8.0	Nebraska	7.9	New Jersey	3.3
46	New Hampshire	3.0	New Mexico	691.8	Utah	8.0	New Jersey	7.8	New York	3.3
47	Rhode Island	3.0	Wyoming	677.7	Maine	7.9	North Carolina	7.7	Pennsylvania	3.2
48	Maine	2.8	COLORADO	646.8	Massachusetts	7.9	North Dakota	7.3	Connecticut	3.1
49	North Dakota	2.8	Hawaii	553.3	Minnesota	7.8	Illinois	7.2	Massachusetts	2.6
50	Utah	2.8	Utah	545.8	Hawaii	7.2	West Virginia	7.2	Indiana	-
51	Iowa	2.5	Alaska	393.9	Vermont	6.8	Pennsylvania	7.1	Louisiana	-

Statistics for Colorado here may differ somewhat from those elsewhere in this report. Data are from the National Center for Health Statistics rather than from the state's own files. Data are by state of residence except for marriage and divorces, which are by state of occurrence.

Vital Statistics Ranking of Colorado Counties, Annual Average, 1985-89

RANK	POPULATION 1989		BIRTH RATE (X 1,000 POPN)		PERCENT LOW WEIGHT BIRTHS		PERCENT BIRTHS TO UNMARRIED WOMEN		CRUDE DEATH RATE (X 1,000 POPN)		INFANT MORTALITY RATE (X 1,000 BIRTHS)	
	Colorado	3,316,834	Colorado	16.4	Colorado	7.8	Colorado	18.7	Colorado	6.3	Colorado	9.2
1	Denver	498,194	Douglas	20.3	San Juan	14.7	Denver	34.5	Baca	12.7	Dolores	25.4
2	Jefferson	424,637	Alamosa	20.1	Gilpin	12.2	Pueblo	32.1	Fremont	12.6	Kiowa	17.7
3	El Paso	397,193	Eagle	19.7	Ouray	12.0	Las Animas	29.0	Las Animas	12.1	Montezuma	14.9
4	Arapahoe	386,271	Montezuma	19.4	Costilla	11.9	Otero	28.7	Sedgwick	11.8	Grand	14.1
5	Adams	267,183	Cheyenne	19.3	Dolores	11.9	Huerfano	26.1	Cheyenne	11.6	Delta	13.3
6	Boulder	224,836	El Paso	19.1	Lake	11.3	Montezuma	24.2	Lincoln	11.5	Morgan	11.5
7	Larimer	182,931	Prowers	18.8	Park	11.0	Adams	24.1	Crowley	11.1	Summit	11.3
8	Weld	143,392	Adams	18.6	Rio Grande	10.7	Fremont	23.0	Bent	11.1	Prowers	10.9
9	Pueblo	132,900	Saguache	18.6	Jackson	10.5	Costilla	21.8	Delta	11.1	Lake	10.7
10	Mesa	91,674	Rio Blanco	17.9	Gunnison	9.7	Prowers	21.5	Phillips	11.1	La Plata	10.5
11	Douglas	49,387	Mineral	17.8	Teller	9.5	Crowley	21.2	Huerfano	10.9	Weld	10.5
12	La Plata	30,829	Rio Grande	17.7	Eagle	9.5	Bent	21.1	Otero	10.8	Denver	10.4
13	Fremont	30,214	Archuleta	17.5	San Miguel	9.3	Lake	20.3	Yuma	10.7	Adams	10.4
14	Garfield	27,712	Moffat	17.4	Denver	9.3	Saguache	19.7	Washington	10.0	Pueblo	10.1
15	Montrose	26,422	Morgan	17.2	Crowley	9.2	Rio Grande	19.6	Morgan	10.0	Garfield	10.0
16	Morgan	22,574	Garfield	17.1	Fremont	8.7	San Juan	19.1	Chaffee	9.6	Mesa	10.0
17	Delta	22,047	Denver	17.1	Summit	8.7	Dolores	18.6	Prowers	9.2	El Paso	9.9
18	Eagle	21,344	Teller	17.0	Clear Creek	8.7	Delta	18.2	Rio Grande	9.1	Chaffee	9.5
19	Otero	21,209	San Juan	16.9	Adams	8.5	Weld	18.0	Kit Carson	9.0	Arapahoe	9.4
20	Logan	18,971	Park	16.6	Prowers	8.5	Mesa	17.1	Pueblo	8.9	Logan	9.3
21	Montezuma	16,400	Clear Creek	16.5	El Paso	8.3	La Plata	16.9	Logan	8.9	Crowley	9.2
22	Routt	14,761	Conejos	16.4	Pitkin	8.2	Conejos	16.6	Montrose	8.8	Cheyenne	9.0
23	Summit	14,178	Arapahoe	16.4	Grand	8.2	Sedgwick	16.3	Mesa	8.8	Gilpin	9.0
24	Pitkin	14,067	Lincoln	16.0	Huerfano	8.0	Morgan	15.4	Denver	8.8	Fremont	8.7
25	Las Animas	14,025	Gilpin	15.9	Conejos	7.9	Alamosa	15.4	Montezuma	8.6	Alamosa	8.6
26	Prowers	13,303	Dolores	15.9	Chaffee	7.8	Archuleta	15.0	Kiowa	8.3	Montrose	8.6
27	Alamosa	12,702	Summit	15.8	Pueblo	7.7	Custer	14.9	Dolores	8.2	Ouray	8.0
28	Chaffee	12,386	La Plata	15.8	La Plata	7.6	El Paso	14.9	Saguache	8.1	Larimer	7.9
29	Gunnison	11,939	Jefferson	15.7	Arapahoe	7.6	Montrose	14.5	Conejos	7.7	Rio Grande	7.8
30	Teller	11,177	Otero	15.7	Mesa	7.5	Chaffee	13.8	Costilla	7.4	Jefferson	7.8
31	Rio Grande	10,926	Weld	15.5	Alamosa	7.5	Moffat	13.6	Garfield	7.2	Boulder	7.5
32	Moffat	10,507	Larimer	15.4	Hinsdale	7.4	Logan	13.3	Ouray	7.2	Gunnison	7.5
33	Elbert	9,560	Baca	15.3	Las Animas	7.4	Larimer	13.2	Alamosa	7.2	San Miguel	7.5
34	Yuma	9,357	Kit Carson	15.3	Delta	7.3	Arapahoe	12.7	Custer	6.9	Moffat	7.3
35	Grand	8,873	Boulder	15.1	Baca	7.3	Jefferson	12.4	Hinsdale	6.8	Kit Carson	6.9
36	Conejos	7,974	Lake	14.9	Weld	7.3	Boulder	11.9	La Plata	6.4	Routt	6.8
37	Kit Carson	7,589	Mesa	14.8	Montrose	7.3	Garfield	10.4	Archuleta	6.4	Douglas	6.6
38	Clear Creek	7,282	Costilla	14.5	Jefferson	7.0	Washington	10.2	Jackson	6.3	Otero	6.5
39	Huerfano	6,826	Routt	14.2	Routt	7.0	Clear Creek	10.1	Mineral	6.1	Eagle	6.3
40	Lake	6,158	Hinsdale	14.1	Morgan	6.9	Eagle	9.8	Rio Blanco	6.1	Sedgwick	6.3
41	Park	6,066	Logan	13.7	Moffat	6.9	Teller	9.7	Weld	6.0	Pitkin	6.2
42	Bent	5,238	Elbert	13.7	Garfield	6.8	Park	9.6	Moffat	5.8	Washington	6.2
43	Archuleta	5,196	San Miguel	13.6	Bent	6.7	Jackson	9.5	Larimer	5.7	Park	5.9
44	Rio Blanco	5,196	Pueblo	13.5	Larimer	6.4	Gilpin	9.5	Adams	5.3	Bent	5.9
45	Washington	4,848	Grand	13.4	Montezuma	6.4	Baca	9.1	Jefferson	5.3	Las Animas	5.6
46	Lincoln	4,617	Jackson	13.1	Otero	6.4	San Miguel	9.0	Lake	5.2	Lincoln	5.6
47	Baca	4,500	Yuma	12.9	Yuma	6.3	Grand	8.6	San Juan	5.2	Huerfano	5.3
48	Crowley	4,498	Ouray	12.8	Archuleta	6.3	Kit Carson	8.5	Park	5.2	Teller	5.1
49	Phillips	4,401	Washington	12.7	Washington	6.2	Gunnison	8.2	El Paso	5.2	Elbert	4.7
50	San Miguel	4,275	Crowley	12.7	Custer	6.1	Routt	8.2	Elbert	5.0	Conejos	4.4
51	Saguache	3,816	Kiowa	12.7	Douglas	6.1	Ouray	8.0	Teller	4.9	Costilla	4.1
52	Costilla	3,291	Phillips	12.6	Boulder	6.0	Rio Blanco	7.9	Boulder	4.9	Rio Blanco	3.9
53	Sedgwick	2,910	Bent	12.5	Saguache	6.0	Pitkin	7.8	Clear Creek	4.6	Phillips	3.5
54	Cheyenne	2,604	Las Animas	12.4	Kit Carson	5.9	Summit	7.7	Gilpin	4.4	Yuma	3.2
55	Gilpin	2,550	Fremont	12.3	Rio Blanco	5.7	Lincoln	7.5	Arapahoe	4.3	Clear Creek	3.2
56	Custer	2,015	Pitkin	12.1	Elbert	5.7	Yuma	7.0	Gunnison	4.1	Baca	2.9
57	Ouray	2,006	Delta	12.0	Kiowa	5.3	Kiowa	6.2	Routt	3.8	Archuleta	2.2
58	Kiowa	1,726	Chaffee	11.9	Lincoln	5.3	Elbert	6.0	Grand	3.7	Custer	0.0
59	Dolores	1,555	Montrose	11.9	Logan	5.1	Phillips	5.3	Douglas	3.3	Hinsdale	0.0
60	Jackson	1,462	Gunnison	11.2	Phillips	3.5	Douglas	4.7	Eagle	2.6	Jackson	0.0
61	San Juan	749	Sedgwick	10.9	Cheyenne	3.2	Cheyenne	4.5	San Miguel	2.4	Mineral	0.0
62	Mineral	526	Custer	10.8	Sedgwick	2.5	Hinsdale	3.7	Pitkin	2.0	Saguache	0.0
63	Hinsdale	341	Huerfano	10.6	Mineral	0.0	Mineral	3.4	Summit	1.5	San Juan	0.0

Five-year average data are used to provide more reliable information about places with small cases than annual data. However, some average rates also are based on few cases and must be viewed with caution. The Dolores County infant mortality rate is an example, being based on an average of 1 death per year. Data are ranked to three decimal places. These rankings are intended for general interest only.

Table 5. Vital Statistics Summary by County and Region: Colorado Residents, 1989

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS		PERINATAL DEATHS	
	NUMBER	RATE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	52,697	15.9	4,087	7.8	10,787	20.5	21,056	6.3	459	8.7	270	5.1	189	3.6	650	12.2
Adams	4,777	17.9	395	8.3	1,310	27.4	1,429	5.3	42	8.8	24	5.0	18	3.8	55	11.4
Alamosa	234	18.4	23	9.8	44	18.8	103	8.1	4	17.1	1	4.3	3	12.8	3	12.7
Arapahoe	6,200	16.1	476	7.7	953	15.4	1,712	4.4	55	8.9	36	5.8	19	3.1	78	12.5
Archuleta	84	16.2	5	6.0	12	14.3	35	6.7	0	0.0	0	0.0	0	0.0	1	11.8
Baca	51	11.3	4	7.8	6	11.8	52	11.6	1	19.6	1	19.6	0	0.0	1	19.6
Bent	64	12.2	2	3.1	19	29.7	48	9.2	0	0.0	0	0.0	0	0.0	0	0.0
Boulder	3,230	14.4	209	6.5	450	13.9	1,065	4.7	20	6.2	16	5.0	4	1.2	34	10.5
Chaffee	132	10.7	14	10.6	19	14.4	121	9.8	5	37.9	3	22.7	2	15.2	3	22.7
Cheyenne	46	17.7	2	4.3	3	6.5	35	13.4	0	0.0	0	0.0	0	0.0	0	0.0
Clear Creek	115	15.8	8	7.0	15	13.0	35	4.8	0	0.0	0	0.0	0	0.0	0	0.0
Conejos	137	17.2	10	7.3	19	13.9	63	7.9	1	7.3	1	7.3	0	0.0	2	14.5
Costilla	54	16.4	11	20.4	13	24.1	21	6.4	1	18.5	1	18.5	0	0.0	2	36.4
Crowley	32	7.1	3	9.4	13	40.6	48	10.7	0	0.0	0	0.0	0	0.0	0	0.0
Custer	24	11.9	2	8.3	4	16.7	15	7.4	0	0.0	0	0.0	0	0.0	2	76.9
Delta	241	10.9	25	10.4	51	21.2	265	12.0	1	4.1	1	4.1	0	0.0	3	12.3
Denver	8,252	16.6	739	9.0	3,042	36.9	4,415	8.9	71	8.6	41	5.0	30	3.6	110	13.2
Dolores	18	11.6	4	22.2	6	33.3	17	10.9	0	0.0	0	0.0	0	0.0	0	0.0
Douglas	1,129	22.9	71	6.3	47	4.2	162	3.3	10	8.9	6	5.3	4	3.5	17	14.9
Eagle	415	19.4	46	11.1	37	8.9	40	1.9	2	4.8	2	4.8	0	0.0	3	7.2
Elbert	122	12.8	3	2.5	8	6.6	56	5.9	0	0.0	0	0.0	0	0.0	0	0.0
El Paso	7,613	19.2	653	8.6	1,198	15.7	2,172	5.5	80	10.5	43	5.6	37	4.9	99	12.9
Fremont	366	12.1	34	9.3	101	27.6	399	13.2	5	13.7	4	10.9	1	2.7	11	29.5
Garfield	445	16.1	33	7.4	45	10.1	206	7.4	2	4.5	0	0.0	2	4.5	2	4.5
Gilpin	41	16.1	3	7.3	5	12.2	10	3.9	2	48.8	0	0.0	2	48.8	2	46.5
Grand	110	12.4	7	6.4	7	6.4	40	4.5	3	27.3	1	9.1	2	18.2	2	18.0
Gunnison	126	10.6	15	11.9	11	8.7	36	3.0	1	7.9	1	7.9	0	0.0	4	31.0
Hinsdale	5	14.7	0	0.0	0	0.0	4	11.7	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	59	8.6	6	10.2	14	23.7	86	12.6	0	0.0	0	0.0	0	0.0	2	32.8
Jackson	21	14.4	2	9.5	2	9.5	9	6.2	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	6,527	15.4	432	6.6	930	14.2	2,219	5.2	53	8.1	31	4.7	22	3.4	81	12.3
Kiowa	20	11.6	0	0.0	0	0.0	21	12.2	0	0.0	0	0.0	0	0.0	0	0.0
Kit Carson	112	14.8	6	5.4	7	6.3	74	9.8	2	17.9	2	17.9	0	0.0	2	17.9
Lake	93	15.1	11	11.8	20	21.5	31	5.0	0	0.0	0	0.0	0	0.0	1	10.6
La Plata	427	13.9	36	8.4	71	16.6	198	6.4	5	11.7	3	7.0	2	4.7	8	18.5
Larimer	2,665	14.6	166	6.2	400	15.0	1,042	5.7	24	9.0	14	5.3	10	3.8	31	11.6
Las Animas	155	11.1	12	7.7	48	31.0	161	11.5	1	6.5	0	0.0	1	6.5	2	12.7
Lincoln	56	12.1	4	7.1	6	10.7	47	10.2	0	0.0	0	0.0	0	0.0	1	17.5
Logan	243	12.8	11	4.5	46	18.9	162	8.5	0	0.0	0	0.0	0	0.0	1	4.1
Mesa	1,246	13.6	88	7.1	249	20.0	819	8.9	12	9.6	9	7.2	3	2.4	18	14.3
Mineral	9	17.1	0	0.0	1	11.1	4	7.6	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	175	16.7	9	5.1	34	19.4	55	5.2	1	5.7	1	5.7	0	0.0	1	5.7
Montezuma	316	19.3	23	7.3	78	24.7	163	9.9	4	12.7	0	0.0	4	12.7	2	6.3
Montrose	286	10.8	18	6.3	57	19.9	238	9.0	3	10.5	1	3.5	2	7.0	1	3.5
Morgan	386	17.1	28	7.3	70	18.1	202	8.9	3	7.8	2	5.2	1	2.6	2	5.2
Otero	322	15.2	20	6.2	110	34.2	218	10.3	3	9.3	3	9.3	0	0.0	4	12.4
Ouray	22	11.0	4	18.2	1	4.5	10	5.0	0	0.0	0	0.0	0	0.0	0	0.0
Park	90	14.8	13	14.4	6	6.7	28	4.6	1	11.1	1	11.1	0	0.0	5	53.2
Phillips	52	11.8	3	5.8	4	7.7	51	11.6	1	19.2	1	19.2	0	0.0	1	19.2
Pitkin	168	11.9	8	4.8	12	7.1	21	1.5	0	0.0	0	0.0	0	0.0	0	0.0
Prowers	207	15.6	21	10.1	56	27.1	115	8.6	2	9.7	1	4.8	1	4.8	5	23.7
Pueblo	1,625	12.2	128	7.9	582	35.8	1,159	8.7	15	9.2	7	4.3	8	4.9	19	11.6
Rio Blanco	89	17.1	4	4.5	8	9.0	30	5.8	0	0.0	0	0.0	0	0.0	0	0.0
Rio Grande	195	17.8	20	10.3	36	18.5	98	9.0	0	0.0	0	0.0	0	0.0	0	0.0
Routt	220	14.9	11	5.0	17	7.7	53	3.6	1	4.5	1	4.5	0	0.0	1	4.5
Saguache	75	19.7	5	6.7	13	17.3	33	8.6	0	0.0	0	0.0	0	0.0	0	0.0
San Juan	7	9.3	2	28.6	2	28.6	4	5.3	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	43	10.1	3	7.0	4	9.3	8	1.9	0	0.0	0	0.0	0	0.0	0	0.0

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS		PERINATAL DEATHS	
	NUMBER	RATE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	28	9.6	0	0.0	5	17.9	39	13.4	0	0.0	0	0.0	0	0.0	0	0.0
Summit	196	13.8	16	8.2	12	6.1	20	1.4	2	10.2	0	0.0	2	10.2	1	5.1
Teller	190	17.0	18	9.5	24	12.6	53	4.7	2	10.5	1	5.3	1	5.3	3	15.6
Washington	53	10.9	2	3.8	7	13.2	42	8.7	0	0.0	0	0.0	0	0.0	0	0.0
Weld	2,164	15.1	151	7.0	413	19.1	841	5.9	18	8.3	10	4.6	8	3.7	22	10.1
Yuma	92	9.8	9	9.8	4	4.3	98	10.5	0	0.0	0	0.0	0	0.0	2	21.3
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	854	13.5	53	6.2	136	15.9	594	9.4	4	4.7	3	3.5	1	1.2	6	7.0
2	4,829	14.8	317	6.6	813	16.8	1,883	5.8	42	8.7	24	5.0	18	3.7	53	10.9
3	30,271	16.3	2,333	7.7	6,752	22.3	11,047	5.9	253	8.4	154	5.1	99	3.3	377	12.4
4	7,893	19.0	684	8.7	1,228	15.6	2,253	5.4	83	10.5	45	5.7	38	4.8	107	13.5
5	336	13.8	15	4.5	24	7.1	212	8.7	2	6.0	2	6.0	0	0.0	3	8.9
6	696	13.8	50	7.2	204	29.3	502	9.9	6	8.6	5	7.2	1	1.4	10	14.3
7	1,625	12.2	128	7.9	582	35.8	1,159	8.7	15	9.2	7	4.3	8	4.9	19	11.6
8	704	17.9	69	9.8	126	17.9	322	8.2	6	8.5	3	4.3	3	4.3	7	9.9
9	852	15.6	70	8.2	169	19.8	417	7.6	9	10.6	3	3.5	6	7.0	11	12.8
10	723	10.8	65	9.0	124	17.2	561	8.4	5	6.9	3	4.1	2	2.8	8	11.0
11	1,955	14.5	134	6.9	336	17.2	1,110	8.2	15	7.7	10	5.1	5	2.6	21	10.7
12	1,130	15.1	90	8.0	87	7.7	183	2.5	8	7.1	4	3.5	4	3.5	7	6.2
13	615	12.1	61	9.9	144	23.4	566	11.1	10	16.3	7	11.4	3	4.9	17	27.2
14	214	10.3	18	8.4	62	29.0	247	11.8	1	4.7	0	0.0	1	4.7	4	18.3
METRO/NON-METRO:																
Denver PMSA	26,885	16.5	2,113	7.9	6,282	23.4	9,937	6.1	231	8.6	138	5.1	93	3.5	341	12.6
Denver CMSA	30,115	16.3	2,322	7.7	6,732	22.4	11,002	5.9	251	8.3	154	5.1	97	3.2	375	12.4
Total Metro	44,182	16.3	3,420	7.7	9,325	21.1	16,216	6.0	388	8.8	228	5.2	160	3.6	546	12.3
Non-Metro	8,515	14.0	667	7.8	1,462	17.2	4,840	8.0	71	8.3	42	4.9	29	3.4	104	12.1
FIVE-REGION SUBSTATE GROUPS:																
Front Range	44,182	16.3	3,420	7.7	9,325	21.1	16,216	6.0	388	8.8	228	5.2	160	3.6	546	12.3
Western Slope	4,660	14.1	359	7.7	716	15.4	2,271	6.8	37	7.9	20	4.3	17	3.6	47	10.0
Eastern Plains	1,886	13.7	118	6.3	364	19.3	1,308	9.5	12	6.4	10	5.3	2	1.1	19	10.0
San Luis Valley	704	17.9	69	9.8	126	17.9	322	8.2	6	8.5	3	4.3	3	4.3	7	9.9
Eastern Mtns	1,265	12.8	121	9.6	256	20.2	939	9.5	16	12.6	9	7.1	7	5.5	31	24.1
POPULATION-BASED REGIONS:																
1 Denver	8,252	16.6	739	9.0	3,042	36.9	4,415	8.9	71	8.6	41	5.0	30	3.6	110	13.2
2 Jefferson	6,527	15.4	432	6.6	930	14.2	2,219	5.2	53	8.1	31	4.7	22	3.4	81	12.3
3 Boulder	3,230	14.4	209	6.5	450	13.9	1,065	4.7	20	6.2	16	5.0	4	1.2	34	10.5
4 Adams	4,777	17.9	395	8.3	1,310	27.4	1,429	5.3	42	8.8	24	5.0	18	3.8	55	11.4
5 Arapahoe	6,200	16.1	476	7.7	953	15.4	1,712	4.4	55	8.9	36	5.8	19	3.1	78	12.5
6 El Paso	7,6[illegible]	19.2	653	8.6	1,198	15.7	2,172	5.5	80	10.5	43	5.6	37	4.9	99	12.9
7 Larimer	[illegible]	14.6	166	6.2	400	15.0	1,042	5.7	24	9.0	14	5.3	10	3.8	31	11.6
8 Pueblo	[illegible],625	12.2	128	7.9	582	35.8	1,159	8.7	15	9.2	7	4.3	8	4.9	19	11.6
9 Weld	2,164	15.1	151	7.0	413	19.1	841	5.9	18	8.3	10	4.6	8	3.7	22	10.1
10 Northwest Reg	1,955	14.5	134	6.9	336	17.2	1,110	8.2	15	7.7	10	5.1	5	2.6	21	10.7
11 Western Reg	1,853	13.1	155	8.4	211	11.4	744	5.2	13	7.0	7	3.8	6	3.2	15	8.1
12 Eastern Reg	1,886	13.7	118	6.3	364	19.3	1,308	9.5	12	6.4	10	5.3	2	1.1	19	10.0
13 Central Reg	2,180	17.1	174	8.0	241	11.1	854	6.7	25	11.5	15	6.9	10	4.6	44	19.9
14 Southern Reg	1,770	15.4	157	8.9	357	20.2	986	8.6	16	9.0	6	3.4	10	5.6	22	12.3

Birth and death rates are events per 1,000 population. Infant, neonatal and postneonatal mortality rates are events per 1,000 live births. Perinatal mortality rate is neonatal and spontaneous fetal deaths of 20+ weeks gestation per 1,000 live births and spontaneous fetal deaths of 20+ weeks gestation. See technical notes for definitions of data items. See inside back cover for descriptions of regions.

Table 6. Vital Statistics Summary by County and Region: Colorado Residents, Five-Year Annual Average, 1985-89

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS		PERINATAL DEATHS	
	NUMBER	RATE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	54,021	16.4	4,210	7.8	10,091	18.7	20,892	6.3	497	9.2	296	5.5	201	3.7	675	12.3
Adams	5,034	18.6	429	8.5	1,215	24.1	1,437	5.3	52	10.4	31	6.1	21	4.3	67	13.1
Alamosa	255	20.1	19	7.5	39	15.4	91	7.2	2	8.6	1	3.9	1	4.7	4	15.4
Arapahoe	6,322	16.4	478	7.6	802	12.7	1,679	4.3	59	9.4	35	5.6	24	3.8	73	11.5
Archuleta	92	17.5	6	6.3	14	15.0	34	6.4	0	2.2	0	2.2	0	0.0	1	12.9
Baca	68	15.3	5	7.3	6	9.1	56	12.7	0	2.9	0	2.9	0	0.0	1	17.3
Bent	68	12.5	5	6.7	14	21.1	61	11.1	0	5.9	0	2.9	0	2.9	0	2.9
Boulder	3,262	15.1	197	6.0	388	11.9	1,054	4.9	25	7.5	14	4.4	10	3.1	35	10.7
Chaffee	147	11.9	11	7.8	20	13.8	118	9.6	1	9.5	1	5.4	1	4.1	3	18.7
Cheyenne	44	19.3	1	3.2	2	4.5	27	11.6	0	9.0	0	9.0	0	0.0	0	9.0
Clear Creek	124	16.5	11	8.7	13	10.1	34	4.6	0	3.2	0	0.0	0	3.2	0	0.0
Conejos	137	16.4	11	7.9	23	16.6	64	7.7	1	4.4	1	4.4	0	0.0	2	11.5
Costilla	49	14.5	6	11.9	11	21.8	25	7.4	0	4.1	0	4.1	0	0.0	1	24.1
Crowley	43	12.7	4	9.2	9	21.2	38	11.1	0	9.2	0	4.6	0	4.6	0	4.6
Custer	23	10.8	1	6.1	3	14.9	15	6.9	0	0.0	0	0.0	0	0.0	0	0.0
Delta	270	12.0	20	7.3	49	18.2	249	11.1	4	13.3	3	9.6	1	3.7	6	20.3
Denver	8,724	17.1	811	9.3	3,006	34.5	4,509	8.8	91	10.4	55	6.3	35	4.1	125	14.1
Dolores	24	15.9	3	11.9	4	18.6	12	8.2	1	25.4	0	8.5	0	16.9	0	8.4
Douglas	885	20.3	54	6.1	41	4.7	143	3.3	6	6.6	3	3.4	3	3.2	8	9.0
Eagle	380	19.7	36	9.5	37	9.8	50	2.6	2	6.3	2	4.7	1	1.6	4	9.9
Elbert	126	13.7	7	5.7	8	6.0	46	5.0	1	4.7	0	3.2	0	1.6	0	3.2
El Paso	7,512	19.1	622	8.3	1,120	14.9	2,044	5.2	74	9.9	42	5.6	32	4.3	91	11.9
Fremont	369	12.3	32	8.7	85	23.0	378	12.6	3	8.7	2	5.4	1	3.3	6	16.0
Garfield	439	17.1	30	6.8	46	10.4	184	7.2	4	10.0	3	6.8	1	3.2	6	13.5
Gilpin	44	15.9	5	12.2	4	9.5	12	4.4	0	9.0	0	0.0	0	9.0	0	0.0
Grand	127	13.4	10	8.2	11	8.6	35	3.7	2	14.1	1	6.3	1	7.8	2	13.9
Gunnison	134	11.2	13	9.7	11	8.2	49	4.1	1	7.5	1	4.5	0	3.0	3	19.0
Hinsdale	5	14.1	0	7.4	0	3.7	3	6.8	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	75	10.6	6	8.0	20	26.1	77	10.9	0	5.3	0	5.3	0	0.0	1	18.3
Jackson	21	13.1	2	10.5	2	9.5	10	6.3	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	6,630	15.7	465	7.0	821	12.4	2,226	5.3	51	7.8	29	4.4	22	3.3	68	10.2
Kiowa	23	12.7	1	5.3	1	6.2	15	8.3	0	17.7	0	17.7	0	0.0	0	17.4
Kit Carson	115	15.3	7	5.9	10	8.5	68	9.0	1	6.9	1	5.2	0	1.7	1	5.2
Lake	93	14.9	11	11.3	19	20.3	33	5.2	1	10.7	1	6.4	0	4.3	2	16.8
La Plata	476	15.8	36	7.6	81	16.9	194	6.4	5	10.5	3	6.3	2	4.2	8	16.5
Larimer	2,733	15.4	176	6.4	362	13.2	1,019	5.7	22	7.9	13	4.8	9	3.1	31	11.2
Las Animas	179	12.4	13	7.4	52	29.0	175	12.1	1	5.6	1	4.5	0	1.1	2	9.9
Lincoln	72	16.0	4	5.3	5	7.5	52	11.5	0	5.6	0	2.8	0	2.8	2	29.6
Logan	257	13.7	13	5.1	34	13.3	166	8.9	2	9.3	1	5.5	1	3.9	4	16.8
Mesa	1,279	14.8	96	7.5	219	17.1	763	8.8	13	10.0	8	6.6	4	3.4	16	12.7
Mineral	12	17.8	0	0.0	0	3.4	4	6.1	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	192	17.4	13	6.9	26	13.6	64	5.8	1	7.3	1	3.1	1	4.2	2	8.3
Montezuma	322	19.4	21	6.4	78	24.2	143	8.6	5	14.9	3	10.6	1	4.3	6	19.5
Montrose	302	11.9	22	7.3	44	14.5	225	8.8	3	8.6	2	6.0	1	2.7	4	12.4
Morgan	381	17.2	26	6.9	59	15.4	221	10.0	4	11.5	3	8.4	1	3.1	6	16.0
Otero	337	15.7	21	6.4	97	28.7	232	10.8	2	6.5	2	4.7	1	1.8	3	7.7
Ouray	25	12.8	3	12.0	2	8.0	14	7.2	0	8.0	0	8.0	0	0.0	0	7.9
Park	102	16.6	11	11.0	10	9.6	32	5.2	1	5.9	0	3.9	0	2.0	3	32.3
Phillips	57	12.6	2	3.5	3	5.3	50	11.1	0	3.5	0	3.5	0	0.0	0	3.5
Pitkin	161	12.1	13	8.2	13	7.8	27	2.0	1	6.2	1	3.7	0	2.5	2	9.8
Prowers	257	18.8	22	8.5	55	21.5	126	9.2	3	10.9	2	7.0	1	3.9	5	18.3
Pueblo	1,756	13.5	135	7.7	563	32.1	1,162	8.9	18	10.1	9	5.4	8	4.8	22	12.6
Rio Blanco	101	17.9	6	5.7	8	7.9	34	6.1	0	3.9	0	0.0	0	3.9	0	0.0
Rio Grande	206	17.7	22	10.7	40	19.6	106	9.1	2	7.8	1	6.8	0	1.0	3	16.3
Routt	206	14.2	14	7.0	17	8.2	55	3.8	1	6.8	1	2.9	1	3.9	3	12.5
Saguache	76	18.6	5	6.0	15	19.7	33	8.1	0	0.0	0	0.0	0	0.0	1	13.0
San Juan	14	16.9	2	14.7	3	19.1	4	5.2	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	54	13.6	5	9.3	5	9.0	9	2.4	0	7.5	0	3.7	0	3.7	0	3.7

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS		PERINATAL DEATHS	
	NUMBER	RATE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	32	10.9	1	2.5	5	16.3	35	11.8	0	6.3	0	6.3	0	0.0	0	6.2
Summit	213	15.8	19	8.7	16	7.7	20	1.5	2	11.3	1	3.8	2	7.5	2	8.4
Teller	194	17.0	18	9.5	19	9.7	56	4.9	1	5.1	1	3.1	0	2.1	3	13.2
Washington	65	12.7	4	6.2	7	10.2	51	10.0	0	6.2	0	6.2	0	0.0	1	21.1
Weld	2,170	15.5	159	7.3	390	18.0	838	6.0	23	10.5	15	6.8	8	3.7	33	14.9
Yuma	124	12.9	8	6.3	9	7.0	102	10.7	0	3.2	0	1.6	0	1.6	1	9.6
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	916	14.5	54	5.9	116	12.7	625	9.9	8	8.7	6	6.1	2	2.6	14	14.6
2	4,903	15.4	335	6.8	752	15.3	1,857	5.8	44	9.1	28	5.7	17	3.4	64	12.8
3	31,025	16.7	2,450	7.9	6,290	20.3	11,095	6.0	285	9.2	168	5.4	117	3.8	377	12.0
4	7,808	19.0	652	8.3	1,149	14.7	2,132	5.2	76	9.7	43	5.5	33	4.2	97	12.2
5	358	15.2	19	5.4	25	6.9	192	8.2	2	6.1	2	4.5	1	1.7	4	10.0
6	797	15.8	58	7.3	183	23.0	528	10.5	6	8.0	4	5.5	2	2.5	9	11.7
7	1,756	13.5	135	7.7	563	32.1	1,162	8.9	18	10.1	9	5.4	8	4.8	22	12.6
8	734	18.0	62	8.5	128	17.5	323	7.9	5	6.3	3	4.4	1	1.9	11	15.0
9	927	17.1	67	7.2	179	19.3	387	7.1	11	11.4	7	7.3	4	4.1	16	16.8
10	790	11.9	63	8.0	111	14.1	550	8.3	8	9.9	5	6.8	2	3.0	12	15.5
11	2,011	15.6	145	7.2	299	14.9	1,047	8.1	19	9.4	12	6.0	7	3.5	24	11.8
12	1,109	15.5	95	8.6	96	8.7	198	2.8	9	8.1	5	4.1	4	4.0	12	10.4
13	632	12.5	56	8.8	128	20.2	544	10.7	6	8.9	3	5.4	2	3.5	10	16.2
14	255	11.8	19	7.5	72	28.1	252	11.7	1	5.5	1	4.7	0	0.8	3	12.4
METRO/NON-METRO:																
Denver PMSA	27,595	16.9	2,237	8.1	5,885	21.3	9,994	6.1	259	9.4	154	5.6	106	3.8	342	12.2
Denver CMSA	30,857	16.7	2,434	7.9	6,273	20.3	11,048	6.0	284	9.2	168	5.5	116	3.8	377	12.1
Total Metro	45,028	16.7	3,526	7.8	8,708	19.3	16,112	6.0	420	9.3	247	5.5	173	3.8	554	12.2
Non-Metro	8,992	15.0	684	7.6	1,383	15.4	4,781	8.0	77	8.6	49	5.5	28	3.1	121	13.3
FIVE-REGION SUBSTATE GROUPS:																
Front Range	45,028	16.7	3,526	7.8	8,708	19.3	16,112	6.0	420	9.3	247	5.5	173	3.8	554	12.2
Western Slope	4,837	15.1	370	7.7	685	14.2	2,182	6.8	46	9.6	29	6.0	18	3.6	64	13.0
Eastern Plains	2,070	15.1	131	6.3	324	15.7	1,345	9.8	17	8.0	12	5.6	5	2.4	27	12.7
San Luis Valley	734	18.0	62	8.5	128	17.5	323	7.9	5	6.3	3	4.4	1	1.9	11	15.0
Eastern Mtns	1,351	13.5	121	8.9	245	18.1	930	9.3	9	7.0	6	4.1	4	2.8	20	14.3
POPULATION-BASED REGIONS:																
1 Denver	8,724	17.1	811	9.3	3,006	34.5	4,509	8.8	91	10.4	55	6.3	35	4.1	125	14.1
2 Jefferson	6,630	15.7	465	7.0	821	12.4	2,226	5.3	51	7.8	29	4.4	22	3.3	68	10.2
3 Boulder	3,262	15.1	197	6.0	388	11.9	1,054	4.9	25	7.5	14	4.4	10	3.1	35	10.7
4 Adams	5,034	18.6	429	8.5	1,215	24.1	1,437	5.3	52	10.4	31	6.1	21	4.3	67	13.1
5 Arapahoe	6,322	16.4	478	7.6	802	12.7	1,679	4.3	59	9.4	35	5.6	24	3.8	73	11.5
6 El Paso	7,512	19.1	622	8.3	1,120	14.9	2,044	5.2	74	9.9	42	5.6	32	4.3	91	11.9
7 Larimer	2,733	15.4	176	6.4	362	13.2	1,019	5.7	22	7.9	13	4.8	9	3.1	31	11.2
8 Pueblo	1,756	13.5	135	7.7	563	32.1	1,162	8.9	18	10.1	9	5.4	8	4.8	22	12.6
9 Weld	2,170	15.5	159	7.3	390	18.0	838	6.0	23	10.5	15	6.8	8	3.7	33	14.9
10 Northwest Reg	2,011	15.6	145	7.2	299	14.9	1,047	8.1	19	9.4	12	6.0	7	3.5	24	11.8
11 Western Reg	1,898	13.8	158	8.3	207	10.9	748	5.4	17	8.9	10	5.3	7	3.6	24	12.5
12 Eastern Reg	2,070	15.1	131	6.3	324	15.7	1,345	9.8	17	8.0	12	5.6	5	2.4	27	12.7
13 Central Reg	1,981	16.2	155	7.8	214	10.8	822	6.7	14	7.0	7	3.7	6	3.2	24	12.2
14 Southern Reg	1,916	16.4	149	7.8	379	19.8	962	8.2	17	8.7	11	5.8	5	2.8	30	15.5

All rates are based on five-year average annual counts expressed as whole numbers. Birth and death rates are per 1,000 midyear (1987) population. Infant, neonatal and postneonatal mortality rates are events per 1,000 live births. Perinatal mortality rate is perinatal deaths per 1,000 live births and spontaneous fetal deaths of 20+ weeks gestation. Counts may not add to total because of rounding. Rates may appear when number of events is zero in cases where counts averaged less than 0.5. Rates based on few cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 7. Vital Statistics Summary by County and Region: Colorado Occurences, 1989

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Colorado	52,964	100.0	4,205	100.0	10,804	100.0	21,470	100.0	502	100.0	304	100.0	198	100
Adams	2,875	5.4	242	5.8	472	4.4	1,202	5.6	25	5.0	14	4.6	11	5.6
Alamosa	578	1.1	44	1.0	95	0.9	123	0.6	3	0.6	1	0.3	2	1
Arapahoe	5,721	10.8	371	8.8	417	3.9	1,598	7.4	36	7.2	18	5.9	18	9.1
Archuleta	2	0.0	0	0.0	0	0.0	30	0.1	0	0.0	0	0.0	0	0
Baca	1	0.0	0	0.0	0	0.0	37	0.2	0	0.0	0	0.0	0	0
Bent	0	0.0	0	0.0	0	0.0	71	0.3	0	0.0	0	0.0	0	0
Boulder	3,154	6.0	157	3.7	434	4.0	977	4.6	11	2.2	8	2.6	3	1.5
Chaffee	152	0.3	14	0.3	19	0.2	121	0.6	0	0.0	0	0.0	0	0
Cheyenne	15	0.0	0	0.0	2	0.0	27	0.1	0	0.0	0	0.0	0	0
Clear Creek	2	0.0	0	0.0	0	0.0	21	0.1	0	0.0	0	0.0	0	0
Conejos	47	0.1	2	0.0	9	0.1	50	0.2	0	0.0	0	0.0	0	0
Costilla	0	0.0	0	0.0	0	0.0	11	0.1	0	0.0	0	0.0	0	0
Crowley	0	0.0	0	0.0	0	0.0	26	0.1	0	0.0	0	0.0	0	0
Custer	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	0	0.0	0	0
Delta	263	0.5	17	0.4	62	0.6	214	1.0	0	0.0	0	0.0	0	0
Denver	18,033	34.0	1,779	42.3	5,510	51.0	5,775	26.9	246	49.0	174	57.2	72	36.4
Dolores	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	0	0.0	0	0
Douglas	1	0.0	0	0.0	0	0.0	65	0.3	1	0.2	0	0.0	1	0.5
Eagle	330	0.6	30	0.7	22	0.2	37	0.2	0	0.0	0	0.0	0	0
Elbert	2	0.0	0	0.0	0	0.0	32	0.1	0	0.0	0	0.0	0	0
El Paso	7,840	14.8	667	15.9	1,231	11.4	2,207	10.3	80	15.9	45	14.8	35	17.7
Fremont	302	0.6	20	0.5	94	0.9	384	1.8	2	0.4	1	0.3	1	0.5
Garfield	479	0.9	32	0.8	47	0.4	207	1.0	2	0.4	0	0.0	2	1
Gilpin	0	0.0	0	0.0	0	0.0	5	0.0	0	0.0	0	0.0	0	0
Grand	5	0.0	1	0.0	0	0.0	33	0.2	2	0.4	0	0.0	2	1
Gunnison	119	0.2	12	0.3	10	0.1	40	0.2	1	0.2	1	0.3	0	0
Hinsdale	0	0.0	0	0.0	0	0.0	4	0.0	0	0.0	0	0.0	0	0
Huerfano	0	0.0	0	0.0	0	0.0	58	0.3	0	0.0	0	0.0	0	0
Jackson	0	0.0	0	0.0	0	0.0	10	0.0	0	0.0	0	0.0	0	0
Jefferson	1,807	3.4	115	2.7	132	1.2	2,024	9.4	18	3.6	5	1.6	13	6.6
Kiowa	0	0.0	0	0.0	0	0.0	18	0.1	0	0.0	0	0.0	0	0
Kit Carson	130	0.2	4	0.1	7	0.1	54	0.3	2	0.4	2	0.7	0	0
Lake	73	0.1	3	0.1	19	0.2	26	0.1	0	0.0	0	0.0	0	0
La Plata	673	1.3	57	1.4	103	1.0	214	1.0	4	0.8	2	0.7	2	1
Larimer	2,648	5.0	149	3.5	371	3.4	1,014	4.7	18	3.6	9	3.0	9	4.5
Las Animas	143	0.3	9	0.2	47	0.4	137	0.6	1	0.2	0	0.0	1	0.5
Lincoln	48	0.1	1	0.0	5	0.0	45	0.2	0	0.0	0	0.0	0	0
Logan	226	0.4	5	0.1	46	0.4	161	0.7	0	0.0	0	0.0	0	0
Mesa	1,419	2.7	119	2.8	268	2.5	946	4.4	16	3.2	11	3.6	5	2.5
Mineral	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	0	0
Moffat	149	0.3	7	0.2	29	0.3	47	0.2	0	0.0	0	0.0	0	0
Montezuma	248	0.5	10	0.2	46	0.4	150	0.7	3	0.6	0	0.0	3	1.5
Montrose	243	0.5	20	0.5	43	0.4	224	1.0	2	0.4	0	0.0	2	1
Morgan	349	0.7	19	0.5	61	0.6	196	0.9	2	0.4	1	0.3	1	0.5
Otero	354	0.7	22	0.5	130	1.2	211	1.0	1	0.2	1	0.3	0	0
Ouray	0	0.0	0	0.0	0	0.0	11	0.1	0	0.0	0	0.0	0	0
Park	1	0.0	0	0.0	0	0.0	25	0.1	0	0.0	0	0.0	0	0
Phillips	41	0.1	2	0.0	3	0.0	34	0.2	0	0.0	0	0.0	0	0
Pitkin	248	0.5	12	0.3	20	0.2	35	0.2	0	0.0	0	0.0	0	0
Prowers	229	0.4	19	0.5	56	0.5	85	0.4	1	0.2	1	0.3	0	0
Pueblo	1,748	3.3	118	2.8	612	5.7	1,259	5.9	12	2.4	5	1.6	7	3.5
Rio Blanco	72	0.1	2	0.0	13	0.1	36	0.2	0	0.0	0	0.0	0	0
Rio Grande	52	0.1	2	0.0	11	0.1	83	0.4	0	0.0	0	0.0	0	0
Routt	255	0.5	7	0.2	22	0.2	49	0.2	0	0.0	0	0.0	0	0
Saguache	1	0.0	0	0.0	0	0.0	20	0.1	0	0.0	0	0.0	0	0
San Juan	0	0.0	0	0.0	0	0.0	5	0.0	0	0.0	0	0.0	0	0
San Miguel	2	0.0	0	0.0	0	0.0	6	0.0	0	0.0	0	0.0	0	0

PLACE	LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN		TOTAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Sedgwick	18	0.0	1	0.0	4	0.0	27	0.1	0	0.0	0	0.0	0	0
Summit	10	0.0	0	0.0	2	0.0	19	0.1	1	0.2	0	0.0	1	0.5
Teller	3	0.0	0	0.0	1	0.0	34	0.2	1	0.2	0	0.0	1	0.5
Washington	34	0.1	2	0.0	5	0.0	28	0.1	0	0.0	0	0.0	0	0
Weld	1,743	3.3	108	2.6	321	3.0	785	3.7	11	2.2	5	1.6	6	3
Yuma	76	0.1	4	0.1	3	0.0	89	0.4	0	0.0	0	0.0	0	0
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	744	1.4	33	0.8	122	1.1	535	2.5	2	0.4	1	0.3	1	0.5
2	4,391	8.3	257	6.1	692	6.4	1,799	8.4	29	5.8	14	4.6	15	7.6
3	31,593	59.6	2,664	63.4	6,965	64.5	11,667	54.3	337	67.1	219	72.0	118	59.6
4	7,844	14.8	667	15.9	1,232	11.4	2,266	10.6	81	16.1	45	14.8	36	18.2
5	195	0.4	5	0.1	14	0.1	158	0.7	2	0.4	2	0.7	0	0.0
6	584	1.1	41	1.0	186	1.7	448	2.1	2	0.4	2	0.7	0	0.0
7	1,748	3.3	118	2.8	612	5.7	1,259	5.9	12	2.4	5	1.6	7	3.5
8	678	1.3	48	1.1	115	1.1	289	1.3	3	0.6	1	0.3	2	1.0
9	923	1.7	67	1.6	149	1.4	402	1.9	7	1.4	2	0.7	5	2.5
10	627	1.2	49	1.2	115	1.1	499	2.3	3	0.6	1	0.3	2	1.0
11	2,119	4.0	160	3.8	357	3.3	1,236	5.8	18	3.6	11	3.6	7	3.5
12	848	1.6	50	1.2	66	0.6	183	0.9	3	0.6	0	0.0	3	1.5
13	527	1.0	37	0.9	132	1.2	534	2.5	2	0.4	1	0.3	1	0.5
14	143	0.3	9	0.2	47	0.4	195	0.9	1	0.2	0	0.0	1	0.5
METRO/NON-METRO:														
Denver PMSA	28,437	53.7	2,507	59.6	6,531	60.4	10,664	49.7	326	64.9	211	69.4	115	58.1
Denver CMSA	31,591	59.6	2,664	63.4	6,965	64.5	11,641	54.2	337	67.1	219	72.0	118	59.6
Total Metro	45,570	86.0	3,706	88.1	9,500	87.9	16,906	78.7	458	91.2	283	93.1	175	88.4
Non-Metro	7,394	14.0	499	11.9	1,304	12.1	4,564	21.3	44	8.8	21	6.9	23	11.6
FIVE-REGION SUBSTATE GROUPS:														
Front Range	45,570	86.0	3,706	88.1	9,500	87.9	16,906	78.7	458	91.2	283	93.1	175	88.4
West Slope	4,517	8.5	326	7.8	687	6.4	2,320	10.8	31	6.2	14	4.6	17	8.6
East Plains	1,523	2.9	79	1.9	322	3.0	1,141	5.3	6	1.2	5	1.6	1	0.5
San Luis Val	678	1.3	48	1.1	115	1.1	289	1.3	3	0.6	1	0.3	2	1.0
Eastern Mtns	676	1.3	46	1.1	180	1.7	814	3.8	4	0.8	1	0.3	3	1.5
POPULATION-BASED REGIONS:														
1 Denver	18,033	34.0	1,779	42.3	5,510	51.0	5,775	26.9	246	49.0	174	57.2	72	36.4
2 Jefferson	1,807	3.4	115	2.7	132	1.2	2,024	9.4	18	3.6	5	1.6	13	6.6
3 Boulder	3,154	6.0	157	3.7	434	4.0	977	4.6	11	2.2	8	2.6	3	1.5
4 Adams	2,875	5.4	242	5.8	472	4.4	1,202	5.6	25	5.0	14	4.6	11	5.6
5 Arapahoe	5,721	10.8	371	8.8	417	3.9	1,598	7.4	36	7.2	18	5.9	18	9.1
6 El Paso	7,840	14.8	667	15.9	1,231	11.4	2,207	10.3	80	15.9	45	14.8	35	17.7
7 Larimer	2,648	5.0	149	3.5	371	3.4	1,014	4.7	18	3.6	9	3.0	9	4.5
8 Pueblo	1,748	3.3	118	2.8	612	5.7	1,259	5.9	12	2.4	5	1.6	7	3.5
9 Weld	1,743	3.3	108	2.6	321	3.0	785	3.7	11	2.2	5	1.6	6	3.0
10 Northwest	2,119	4.0	160	3.8	357	3.3	1,236	5.8	18	3.6	11	3.6	7	3.5
11 Western	1,475	2.8	99	2.4	181	1.7	682	3.2	6	1.2	1	0.3	5	2.5
12 Eastern	1,523	2.9	79	1.9	322	3.0	1,141	5.3	6	1.2	5	1.6	1	0.5
13 Central	534	1.0	37	0.9	133	1.2	684	3.2	4	0.8	1	0.3	3	1.5
14 Southern	1,744	3.3	124	2.9	311	2.9	886	4.1	11	2.2	3	1.0	8	4.0

See page 271 for definitions of data items. See inside back cover for descriptions of regions.

Part Two. Population

Colorado's population was estimated (before the 1990 census) to have grown between midyear 1988 and 1989 by 16,732 people to 3,316,834, a 0.5 percent increase. This modest increase was slightly greater than the 0.3 percent increase estimated for 1987-88. Colorado ranked 26th in population among the states in 1989.

The increase in population between 1988 and 1989 was estimated to be solely the result of natural increase, which is the difference between live births and deaths. An estimated 12,562 people moved out of the state in the period, representing the fourth straight year of negative net migration, which is the difference between the number of persons entering and leaving the state.

Table 8 shows Colorado population data for Colorado for census years between 1860 and 1990. The preliminary census counts for 1990 indicate that over 80 percent of the increase in Colorado's population in the 1980s was from natural increase, compared to only 34 percent in the 1970s. The economic downturn of the mid- to late-1980s was responsible for large numbers of people leaving the state.

However, recent improvements in employment and vacancy rates are indications that the state's economy has been improving. The expected result, if economic improvement continues, is increased population growth, with renewed migration into the state.

Colorado's population continues to age. The state's median age reached a new high of 32.2 years in 1989, up from 31.7 years in 1988 and 31.1 years in 1987. Increases in the median age reflect not only the aging of the large postwar baby-boom generation but increased life expectancy in the state.

Table 9 shows Colorado population estimates by age and sex for the years 1980 through 1989. Figure 1 depicts change in single-year age distribution between 1980 and 1989.

Despite this aging in the state's population, Coloradans continue to be slightly younger than Americans as a whole, mainly because of greater proportions of young adults in Colorado's population. Figure 2 compares the age distribution of Colorado and U.S. population in 1989.

Figure 3 shows the differences in the age distribution of Colorado's population in 1970, 1980 and 1989.

Colorado's population continued to have a sizable white majority, with non-Hispanic whites comprising a projected 80.7 percent of people in the state in 1990, according to preliminary 1990 census counts. Hispanics accounted for 12.5 percent of the population, blacks 4.0 percent, Asians 1.8 percent, and native American 0.8 percent. Colorado's minority (non-white) population is projected to increase to 20.5 percent of Colorado's population by the year 2000.

Table 10 shows Colorado's population by race, age and sex for 1989. These figures are taken from earlier projections and differ from those noted above. Minority populations represent younger populations than whites in the state, as can be seen in Figure 4.

Population Data by County and Region

As Figure 5 shows, Colorado population is concentrated along the Front Range of the state. Growth between 1980 and 1990 was greatest in Douglas County, with an increase in population of 140 percent in the decade. Eagle County ranked second with an increase of 65 percent, followed by the counties of Archuleta (46 percent), Elbert (41 percent), Park (35 percent), Arapahoe (34 percent), Garfield (33 percent) and Crowley (32 percent).

Counties with the greatest population growth between 1988 and 1989 were Eagle, Douglas, Cheyenne and Garfield counties, each with increases of 5 percent or greater in that one year's time.

Counties losing the most population in the 1980s were Lake (32 percent), Mineral (31 percent), Baca (16 percent) and Bent (15 percent) counties. Mineral County lost an estimated 13 percent of its population between 1988 and 1989, followed by Hinsdale, Jackson and Rio Blanco with annual losses of 5 percent each.

Table 11 shows populations in census years 1940 through 1990 (preliminary). Table 12 presents population estimates for the years 1980 through 1990. Table 13 presents population change between 1988 and 1989, with population densities for 1989.

Denver County, the state's most populous, continues to be the most densely populated county as well with nearly 4,500 people per square mile. Denver County's population decreased by an estimated 5 percent in the 1980s.

Jefferson County, the second most populous, also ranked as the second most densely populated. El Paso, Arapahoe, Adams and Boulder ranked as the next most populous counties.

Six Front Range counties accounted for nearly 90 percent of Colorado's net population growth between 1980 and 1990: Arapahoe, El Paso, Jefferson, Larimer, Boulder and Douglas.

Hinsdale County continued to have the smallest population of any Colorado county with an estimated 341 residents in 1989, only 0.3 people per square mile.

Age distribution varies considerably across the state, as Figures 6 and 7 indicate. Tables 14, 15 and 16 present estimated Colorado population by age and sex for the state's counties and regions.

Tables 17 shows teen population estimates for the state by the age groups 13-14, 15-17, and 18-19. These age groupings are useful when considering adolescent health topics and have been used elsewhere in this report.

Population figures used in *Colorado Vital Statistics* are produced by the Demographic Section, Division of Local Government, Colorado Department of Local Affairs. They represent the best estimates available for the many applications for population data required in vital statistics. However, with 1989 being nine years removed from the 1980 census, population figures presented here should not be considered official counts of the state's population. Detailed U.S. Census counts for 1990 soon will be released and revisions made to population estimates for the decade of the 1980s.

Colorado Vital Statistics, 1990, expected to be released by the end of 1991, will provide updated vital statistics for the 1980s based on these revised population estimates.

Table 8. Population, Population Growth, Natural Increase, Net Migration and Median Age: Colorado, Census Years, 1860-1990

		CHANGE FROM PREVIOUS DECADE		NATURAL INCREASE IN PREVIOUS DECADE					
YEAR	COLORADO POPULATION	NUMBER	PERCENT	BIRTHS IN DECADE	DEATHS IN DECADE	NATURAL INCREASE	PERCENT OF CHANGE	NET MIGRATION	MEDIAN AGE
1860	34,277	-	-	-	-	-	-	-	-
1870	39,864	5,587	16.3	-	-	-	-	-	-
1880	194,327	154,463	387.5	-	-	-	-	-	-
1890	413,249	218,922	112.7	-	-	-	-	-	25.7
1900	539,700	126,451	30.6	-	-	-	-	-	26.0
1910	799,024	259,324	48.0	-	-	-	-	-	26.3
1920	939,629	140,605	17.6	-	-	-	-	-	26.8
1930	1,035,791	96,162	10.2	192,841	127,989	64,852	67.4	31,310	27.3
1940	1,123,296	87,505	8.4	187,206	127,911	59,295	67.8	28,210	29.2
1950	1,325,089	201,793	18.0	264,798	120,331	144,467	71.6	57,326	29.5
1960	1,753,947	428,858	32.4	390,111	134,015	256,096	59.7	172,762	27.9
1970	2,209,596	455,649	26.0	396,810	162,615	234,195	51.4	221,454	26.2
1980	2,889,735	680,139	30.8	413,392	179,646	233,746	34.4	446,393	28.6
1990	3,294,394	404,659	14.0	535,692	202,271	333,421	82.4	71,238	-

Population figures are April 1 census counts. Colorado became a state in 1876. Decade figures for natural increase are for calendar years. Resulting estimates for net migration, therefore, should be considered approximations. Source: U.S. Census Bureau.

Table 9. Population by Age and Sex: Colorado Residents, 1980-89

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1980:														
Total	2,908,294	46,133	171,754	214,538	227,639	270,294	304,461	573,223	349,292	272,596	229,691	149,490	74,691	24,492
Male	1,443,401	23,762	87,905	109,676	115,906	138,487	155,269	291,547	175,075	134,795	109,865	65,917	27,838	7,359
Female	1,464,853	22,371	83,845	104,858	111,731	131,806	149,191	281,674	174,214	137,798	119,821	83,568	46,847	17,129
1981:														
Total	2,983,925	49,706	181,832	217,108	225,523	265,802	308,695	598,589	371,038	275,166	234,839	153,743	76,699	25,185
Male	1,482,024	25,587	93,078	111,075	114,862	136,349	157,768	304,678	186,316	136,186	112,043	67,940	28,764	7,378
Female	1,501,857	24,118	88,751	106,031	110,659	129,450	150,925	293,907	184,717	138,974	122,789	85,799	47,932	17,805
1982:														
Total	3,071,633	53,498	193,359	222,253	224,939	262,423	313,174	624,849	396,023	278,606	239,493	158,104	79,109	25,803
Male	1,527,115	27,515	98,994	113,797	114,608	134,758	160,466	318,422	199,352	137,961	113,995	70,037	29,782	7,428
Female	1,544,485	25,982	94,363	108,456	110,330	127,665	152,705	306,425	196,670	140,639	125,495	88,063	49,321	18,371
1983:														
Total	3,148,292	56,579	203,681	228,321	224,162	257,481	312,530	645,398	422,368	282,806	243,684	162,854	81,898	26,530
Male	1,566,082	29,069	104,286	116,977	114,241	132,275	160,477	329,006	213,144	140,046	115,741	72,335	30,916	7,569
Female	1,582,168	27,510	99,391	111,342	109,918	125,203	152,051	316,387	209,223	142,753	127,939	90,514	50,978	18,959
1984:														
Total	3,189,318	57,844	209,344	232,795	222,810	250,533	304,722	652,925	447,326	287,132	246,643	166,093	84,018	27,133
Male	1,586,708	29,699	107,169	119,306	113,606	128,804	156,667	332,453	226,158	142,336	117,085	73,947	31,763	7,715
Female	1,602,564	28,145	102,174	113,485	109,201	121,727	148,053	320,467	221,163	144,789	129,554	92,141	52,250	19,415
1985:														
Total	3,232,421	58,661	214,173	238,024	222,705	244,956	296,969	656,536	472,917	292,768	248,937	170,896	86,811	28,068
Male	1,608,322	30,097	109,626	122,017	113,611	126,024	152,927	333,953	239,502	145,263	118,202	76,258	32,868	7,974
Female	1,624,066	28,564	104,546	116,005	109,092	118,930	144,041	322,579	233,411	147,501	130,731	94,632	53,942	20,092
1986:														
Total	3,265,315	58,813	217,046	242,646	223,117	240,739	289,547	650,378	496,766	299,985	250,840	176,350	89,849	29,239
Male	1,624,324	30,146	111,065	124,402	113,883	123,903	149,292	330,267	251,816	148,977	119,317	78,855	34,081	8,320
Female	1,640,948	28,666	105,980	118,242	109,233	116,834	140,253	320,106	244,944	151,005	131,516	97,491	55,763	20,915
1987:														
Total	3,293,123	58,761	219,636	247,864	224,255	235,722	277,364	640,609	520,786	309,376	252,672	182,257	93,183	30,638
Male	1,637,286	30,097	112,361	127,090	114,524	121,374	143,162	324,475	264,260	153,784	120,369	81,621	35,432	8,737
Female	1,655,792	28,663	107,272	120,772	109,729	114,344	134,198	315,130	256,522	155,587	132,300	100,629	57,747	21,899
1988:														
Total	3,300,102	57,752	219,646	251,521	224,678	228,733	260,744	625,078	542,933	320,036	253,805	187,077	96,110	31,989
Male	1,640,202	29,569	112,339	128,992	114,851	117,974	134,842	315,732	275,804	159,322	121,105	83,879	36,658	9,135
Female	1,659,863	28,182	107,305	122,528	109,827	110,756	125,901	309,341	267,125	160,710	132,696	103,193	59,448	22,851
1989:														
Total	3,316,834	56,536	218,894	255,373	227,067	225,948	249,670	606,665	562,765	332,912	254,965	192,719	99,738	33,582
Male	1,647,756	28,934	111,934	130,976	116,168	116,675	129,377	305,646	285,886	165,935	121,980	86,472	38,184	9,589
Female	1,669,038	27,601	106,958	124,396	110,896	109,271	120,292	301,014	276,874	166,971	132,983	106,240	61,551	23,991

Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs.

Figure 1. Change in Age Distribution of Population: Colorado, 1980 and 1989

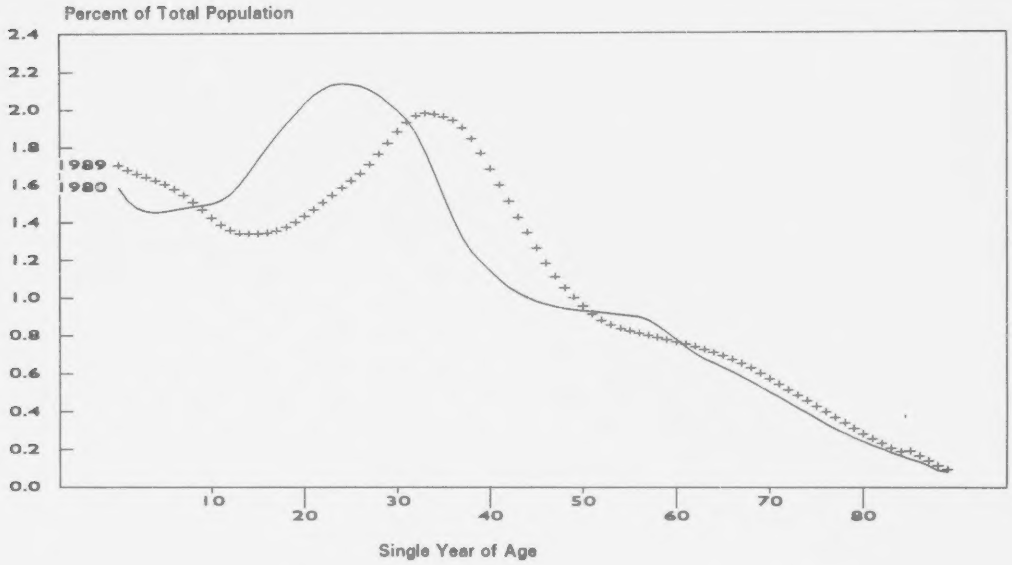


Figure 2. Distribution of Population by Age: Colorado and United States, 1989

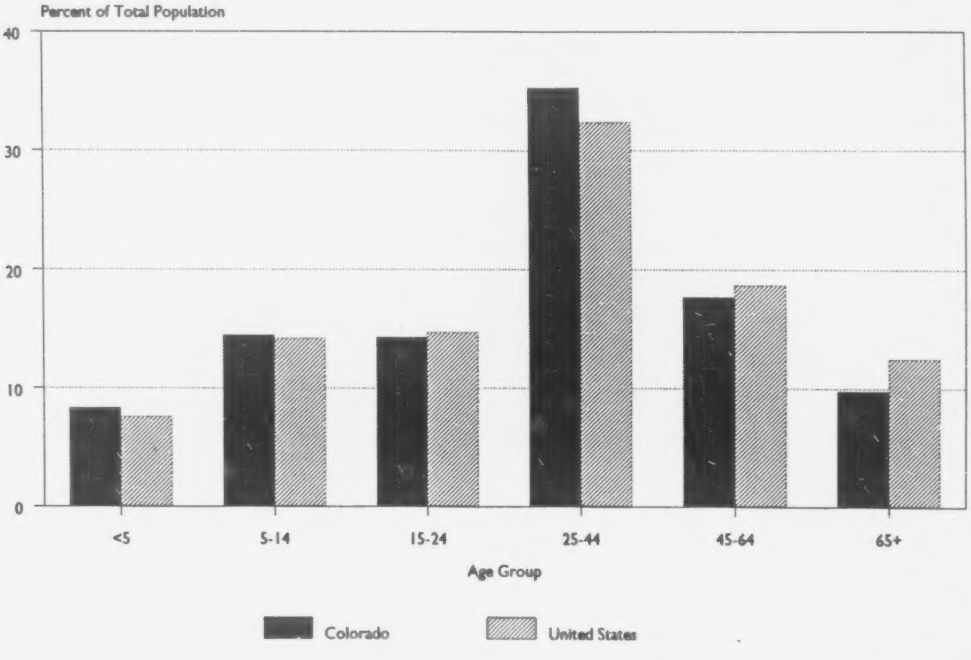


Figure 3. Percent Distribution of Population by Age: Colorado, 1970, 1980 and 1989

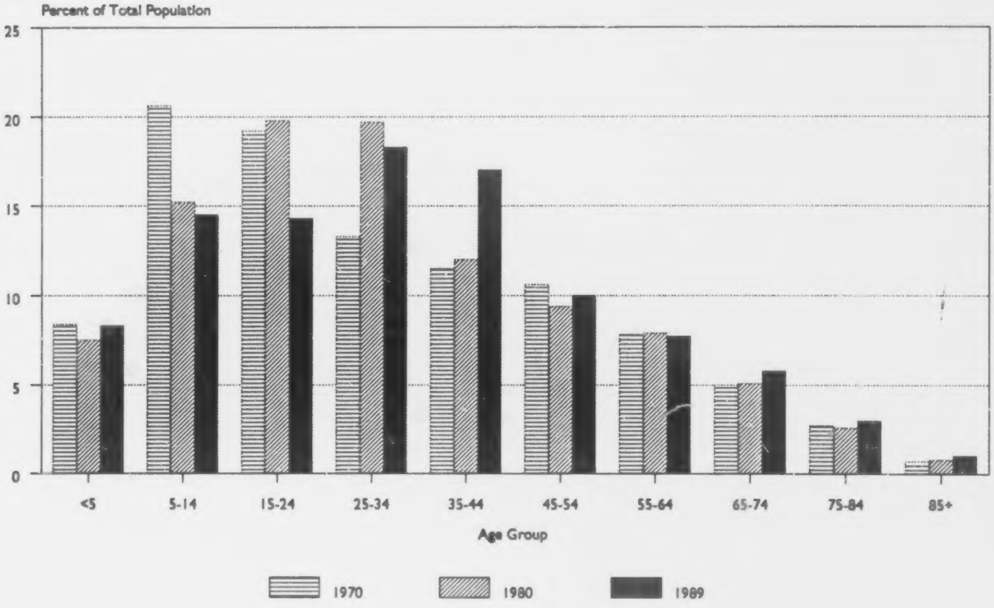


Figure 4. Age Distribution of Population by Race/Ethnicity: Colorado, 1989

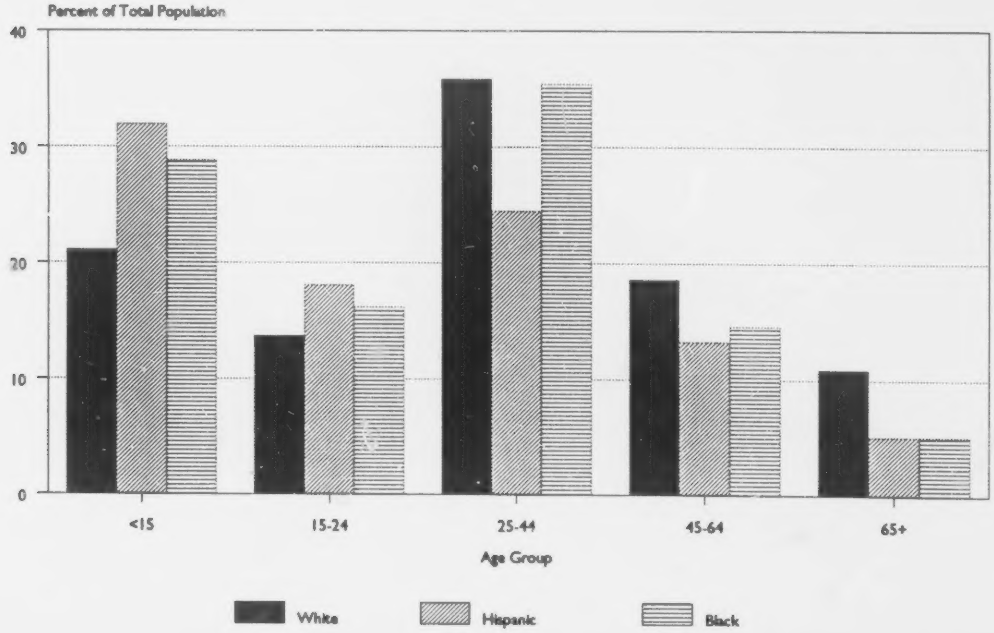
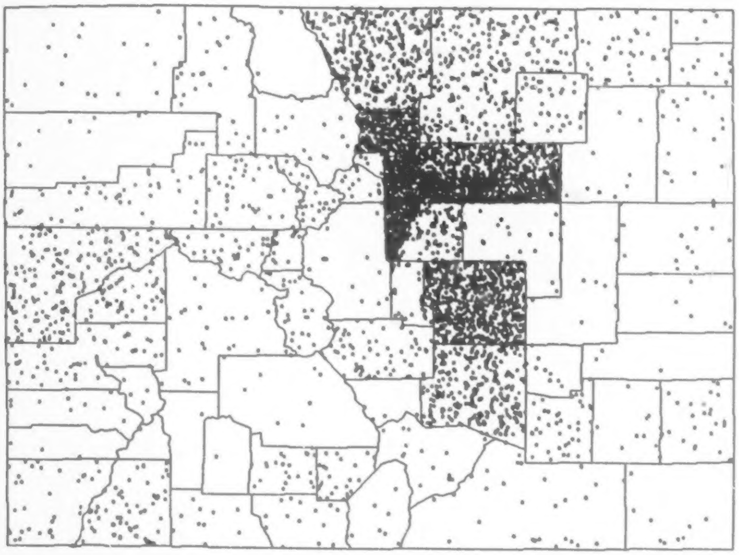


Table 10. Colorado Population by Race/Ethnicity and Age: 1980 and 1989

AGE GROUP	TOTAL POPULATION		WHITE		HISPANIC		BLACK		ASIAN		NATIVE AMERICAN	
	1980	1989	1980	1989	1980	1989	1980	1989	1980	1989	1980	1989
Total	2,908,314	3,316,838	2,421,942	2,706,648	335,718	422,306	102,348	127,171	30,117	37,653	18,189	23,060
<1	46,133	56,537	35,050	41,929	8,331	10,191	1,925	3,218	439	638	388	561
1-4	171,754	218,894	131,325	163,209	29,823	39,380	7,286	11,592	1,876	2,573	1,444	2,140
5-9	214,537	255,374	164,754	192,815	36,112	45,359	9,319	11,821	2,547	3,000	1,805	2,379
10-14	227,640	227,066	178,580	172,655	35,555	39,596	9,462	10,024	2,251	2,765	1,792	2,026
15-19	270,296	225,948	214,572	174,697	39,423	37,419	11,499	9,442	2,710	2,506	2,092	1,884
20-24	304,465	249,673	249,654	194,664	35,764	39,043	13,274	11,137	3,536	2,755	2,237	2,074
25-34	573,227	606,664	484,994	491,844	58,462	76,219	19,410	26,595	6,693	7,445	3,668	4,561
35-44	349,293	562,767	297,238	476,637	34,595	57,386	11,465	18,414	3,864	6,848	2,131	3,482
45-54	272,599	332,916	234,730	282,442	24,957	33,523	8,681	11,034	2,977	3,927	1,254	1,990
55-64	229,692	254,967	205,095	220,630	16,611	22,817	5,242	7,468	1,970	2,909	774	1,143
65-74	149,492	192,714	135,408	173,476	9,978	13,083	3,037	4,007	688	1,610	381	538
75-84	74,692	99,735	68,025	90,960	4,739	6,282	1,320	1,821	436	465	172	207
85+	24,494	33,583	22,517	30,690	1,368	2,008	428	598	130	212	51	75
<15	660,064	757,871	509,709	570,608	109,821	134,526	27,992	36,655	7,113	8,976	5,429	7,106
15-24	574,761	475,621	464,226	369,361	75,187	76,462	24,773	20,579	6,246	5,261	4,329	3,958
25-44	922,520	1,169,431	782,232	968,481	93,057	133,605	30,875	45,009	10,557	14,293	5,799	8,043
45-64	502,291	587,883	439,825	503,072	41,568	56,340	13,923	18,502	4,947	6,836	2,028	3,133
65+	248,678	326,032	225,950	295,126	16,085	21,373	4,785	6,426	1,254	2,287	604	820
PERCENT DISTRIBUTION OF AGE GROUPS BY RACE/ETHNICITY:												
<15	22.7	22.8	21.0	21.1	32.7	31.9	27.3	28.8	23.6	23.8	29.8	30.8
15-24	19.8	14.3	19.2	13.6	22.4	18.1	24.2	16.2	20.7	14.0	23.8	17.2
25-44	31.7	35.3	32.3	35.8	27.7	31.6	30.2	35.4	35.1	38.0	31.9	34.9
45-64	17.3	17.7	18.2	18.6	12.4	13.3	13.6	14.5	16.4	18.2	11.1	13.6
65+	8.6	9.8	9.3	10.9	4.8	5.1	4.7	5.1	4.2	6.1	3.3	3.6

Population figures are 1980-based midyear projections from the Demographic Section, Colorado Department of Local Affairs. Total population figures may differ from those appearing elsewhere in this report. Also, these projections, especially for Asians and native Americans, differ from U.S. census counts for 1990.

Figure 5. Population Density by County: Colorado, 1989



1 dot = 500 people. Density is for county and does not refer to specific population centers.

Table 11. Population and Percent Change in Decade by County and Region for Census Years 1940-1990

							PERCENT CHANGE IN DECADE					RANK
PLACE	1940	1950	1960	1970	1980	1990	1940-1950	1950-1960	1960-1970	1970-1980	1980-1990	CHANGE 1980-1990
Colorado	1,123,296	1,325,089	1,753,947	2,209,596	2,889,735	3,294,394	18.0	32.4	26.0	30.8	14.0	-
Adams	22,481	40,234	120,296	185,789	245,944	265,038	79.0	199.0	54.4	32.4	7.8	28
Alamosa	10,484	10,531	10,000	11,422	11,799	13,617	0.4	-5.0	14.2	3.3	15.4	21
Arapahoe	32,150	52,125	113,426	162,142	293,292	391,511	62.1	117.6	42.9	80.9	33.5	8
Archuleta	3,806	3,030	2,629	2,733	3,664	5,345	-20.4	-13.2	4.0	34.1	45.9	4
Baca	6,207	7,964	6,310	5,674	5,419	4,556	28.3	-20.8	-10.1	-4.5	-15.9	60
Bent	9,653	8,775	7,419	6,493	5,945	5,048	-9.1	-15.5	-12.5	-8.4	-15.1	59
Boulder	37,438	48,296	74,254	131,889	189,625	225,339	29.0	53.7	77.6	43.8	18.8	17
Chaffee	8,109	7,168	8,298	10,162	13,227	12,684	-11.6	15.8	22.5	30.2	-4.1	42
Cheyenne	2,964	3,453	2,789	2,396	2,153	2,397	16.5	-19.2	-14.1	-10.1	11.3	27
Clear Creek	3,784	3,289	2,793	4,819	7,308	7,619	-13.1	-15.1	72.5	51.6	4.3	32
Conejos	11,648	10,171	8,428	7,846	7,794	7,453	-12.7	-17.1	-6.9	-0.7	-4.4	43
Costilla	7,533	6,067	4,219	3,091	3,071	3,190	-19.5	-30.5	-26.7	-0.6	3.9	33
Crowley	5,398	5,222	3,978	3,086	2,988	3,946	-3.3	-23.8	-22.4	-3.2	32.1	10
Custer	2,270	1,573	1,305	1,120	1,528	1,926	-30.7	-17.0	-14.2	36.4	26.0	12
Delta	16,470	17,365	15,602	15,286	21,225	20,980	5.4	-10.2	-2.0	38.9	-1.2	37
Denver	322,412	415,786	493,887	514,678	492,694	467,610	29.0	18.8	4.2	-4.3	-5.1	45
Dolores	1,958	1,966	2,196	1,641	1,658	1,504	0.4	11.7	-25.3	1.0	-9.3	52
Douglas	3,496	3,507	4,816	8,407	25,153	60,391	0.3	37.3	74.6	199.2	140.1	1
Eagle	5,361	4,488	4,677	7,498	13,320	21,928	-16.3	4.2	60.3	77.6	64.6	2
Elbert	5,460	4,477	3,708	3,903	6,850	9,646	-18.0	-17.2	5.3	75.5	40.8	11
El Paso	54,025	74,523	143,742	235,972	309,424	397,014	37.9	92.9	64.2	31.1	28.3	6
Fremont	19,742	18,366	20,196	21,942	28,676	32,273	-7.0	10.0	8.6	30.7	12.5	26
Garfield	10,560	11,625	12,017	14,821	22,514	29,974	10.1	3.4	23.3	51.9	33.1	9
Gilpin	1,625	850	685	1,272	2,441	3,070	-47.7	-19.4	85.7	91.9	25.8	13
Grand	3,587	3,963	3,557	4,107	7,475	7,966	10.5	-10.2	15.5	82.0	6.6	30
Gunnison	6,192	5,716	5,477	7,578	10,689	10,273	-7.7	-4.2	38.4	41.1	-3.9	41
Hinsdale	349	263	208	202	408	467	-24.6	-20.9	-2.9	102.0	14.5	22
Huerfano	16,088	10,549	7,867	6,590	6,440	6,009	-34.4	-25.4	-16.2	-2.3	-6.7	47
Jackson	1,798	1,976	1,758	1,811	1,863	1,605	9.9	-11.0	3.0	2.9	-13.8	58
Jefferson	30,725	55,687	127,520	235,368	371,753	438,430	81.2	129.0	84.6	57.9	17.9	19
Kiowa	2,793	3,003	2,425	2,029	1,936	1,688	7.5	-19.2	-16.3	-4.6	-12.8	56
Kit Carson	7,512	8,600	6,957	7,530	7,599	7,140	14.5	-19.1	8.2	0.9	-6.0	46
Lake	6,883	6,150	7,101	8,282	8,830	6,007	-10.6	15.5	16.6	6.6	-32.0	18
La Plata	15,494	14,880	19,225	19,199	27,195	32,284	-4.0	29.2	-0.1	41.6	18.7	63
Larimer	35,539	43,554	53,343	89,900	149,184	186,136	22.6	22.5	68.5	65.9	24.8	14
Las Animas	32,369	25,902	19,983	15,744	14,897	13,765	-20.0	-22.9	-21.2	-5.4	-7.6	49
Lincoln	5,882	5,909	5,310	4,836	4,663	4,529	0.5	-10.1	-8.9	-3.6	-2.9	40
Logan	18,370	17,187	20,302	18,852	19,800	17,567	-6.4	18.1	-7.1	5.0	-11.3	55
Mesa	33,791	38,974	50,715	54,374	81,530	93,145	15.3	30.1	7.2	49.9	14.2	24
Mineral	975	698	424	786	804	558	-28.4	-39.3	85.4	2.3	-30.6	62
Moffat	5,086	5,946	7,061	6,525	13,133	11,357	16.9	18.8	-7.6	101.3	-13.5	57
Montezuma	10,463	9,991	14,024	12,952	16,510	18,672	-4.5	40.4	-7.6	27.5	13.1	25
Montrose	15,418	15,220	18,286	18,366	24,352	24,423	-1.3	20.1	0.4	32.6	0.3	36
Morgan	17,214	18,074	21,192	20,105	22,513	21,939	5.0	17.3	-5.1	12.0	-2.5	39
Otero	23,571	25,275	24,128	23,523	22,567	20,185	7.2	-4.5	-2.5	-4.1	-10.6	53
Ouray	2,089	2,103	1,601	1,546	1,925	2,295	0.7	-23.9	-3.4	24.5	19.2	16
Park	3,272	1,870	1,822	2,185	5,333	7,174	-42.8	-2.6	19.9	144.1	34.5	7
Phillips	4,948	4,924	4,440	4,131	4,542	4,189	-0.5	-9.8	-7.0	9.9	-7.8	50
Pitkin	1,836	1,646	2,381	6,185	10,338	12,661	-10.3	44.7	159.8	67.1	22.5	15
Prowers	12,304	14,836	13,296	13,258	13,070	13,347	20.6	-10.4	-0.3	-1.4	2.1	35
Pueblo	68,870	90,188	118,707	118,238	125,972	123,051	31.0	31.6	-0.4	6.5	-2.3	38
Rio Blanco	2,943	4,719	5,150	4,842	6,255	5,972	60.3	9.1	-6.0	29.2	-4.5	44
Rio Grande	12,404	12,832	11,160	10,494	10,511	10,770	3.5	-13.0	-6.0	0.2	2.5	34
Routt	10,525	8,940	5,900	6,592	13,404	14,088	-15.1	-34.0	11.7	103.3	5.1	31
Saguache	6,173	5,664	4,473	3,827	3,935	4,619	-8.2	-21.0	-14.4	2.8	17.4	20
San Juan	1,439	1,471	849	831	833	745	2.2	-42.3	-2.1	0.2	-10.6	54
San Miguel	3,664	2,693	2,944	1,949	3,192	3,653	-26.5	9.3	-33.8	63.8	14.4	23

							PERCENT CHANGE IN DECADE					RANK
PLACE	1940	1950	1960	1970	1980	1990	1940-1950	1950-1960	1960-1970	1970-1980	1980-1990	CHANGE 1980-1990
Sedgwick	5,294	5,095	4,242	3,405	3,266	2,690	-3.8	-16.7	-19.7	-4.1	-17.6	61
Summit	1,754	1,135	2,073	2,665	8,848	12,881	-35.3	82.6	28.6	232.0	45.6	5
Teller	6,463	2,754	2,495	3,316	8,034	12,468	-57.4	-9.4	32.9	142.3	55.2	3
Washington	8,336	7,520	6,625	5,550	5,304	4,812	-9.8	-11.9	-16.2	-4.6	-9.3	51
Weld	63,747	67,504	72,344	89,297	123,438	131,821	5.9	7.2	23.4	38.2	6.8	29
Yuma	12,102	10,827	8,912	8,544	9,682	8,954	-10.5	-17.7	-4.1	13.3	-7.5	48
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	66,264	63,627	65,713	60,587	65,107	60,151	-4.0	3.3	-7.8	7.5	-7.6	14
2	99,286	111,058	125,687	179,197	272,622	317,957	11.9	13.2	42.6	52.1	16.6	4
3	454,111	619,774	937,677	1,244,364	1,628,210	1,859,008	36.5	51.3	32.7	30.8	14.2	5
4	63,760	79,147	148,059	241,473	322,791	416,656	24.1	87.1	63.1	33.7	29.1	1
5	21,818	22,439	18,764	18,665	21,265	23,712	2.8	-16.4	-0.5	13.9	11.5	7
6	59,926	65,075	57,556	54,063	51,925	48,770	8.6	-11.6	-6.1	-4.0	-6.1	12
7	68,870	90,188	118,707	118,238	125,972	123,051	31.0	31.6	-0.4	6.5	-2.3	11
8	49,217	45,963	38,704	37,466	37,914	40,207	-6.6	-15.8	-3.2	1.2	6.0	8
9	33,160	31,338	38,923	37,356	49,860	58,550	-5.5	24.2	-4.0	33.5	17.4	3
10	44,182	43,360	44,118	44,927	61,791	62,091	-1.9	1.7	1.8	37.5	0.5	10
11	52,380	61,264	74,943	80,562	123,432	140,448	17.0	22.3	7.5	53.2	13.8	6
12	24,861	22,148	20,346	28,858	55,248	71,129	-10.9	-8.1	41.8	91.4	28.7	2
13	37,004	33,257	36,900	41,506	52,261	52,890	-10.1	11.0	12.5	25.9	1.2	9
14	48,457	36,451	27,850	22,334	21,337	19,774	-24.8	-23.6	-19.8	-4.5	-7.3	13
METRO/NON-METRO:												
Denver PMSA	411,264	567,339	859,945	1,106,384	1,428,836	1,622,980	38.0	51.6	28.7	29.1	13.6	-
Denver CMSA	448,702	615,635	934,199	1,238,273	1,618,461	1,848,319	37.2	51.7	32.5	30.7	14.2	-
Total Metro	670,883	891,404	1,322,335	1,771,680	2,326,479	2,686,341	32.9	48.3	34.0	31.3	15.5	-
Non-Metro	452,413	433,685	431,612	437,916	563,256	608,053	-4.1	-0.5	1.5	28.6	8.0	-
FIVE-REGION SUBSTATE GROUPS:												
Front Range	670,883	891,404	1,322,335	1,771,680	2,326,479	2,686,341	32.9	48.3	34.0	31.3	15.5	1
Western Slope	154,583	158,110	178,330	191,703	290,331	332,218	2.3	12.8	7.5	51.4	14.4	2
Eastern Plains	148,008	151,141	142,033	133,315	138,297	132,633	2.1	-6.0	-6.1	3.7	-4.1	5
San Luis Valley	49,217	45,963	38,704	37,466	37,914	40,207	-6.6	-15.8	-3.2	1.2	6.0	4
Eastern Mtns	100,605	78,471	72,545	75,432	96,714	102,995	-22.0	-7.6	4.0	28.2	6.5	3
POPULATION-BASED REGIONS:												
1 Denver	322,412	415,786	493,887	514,678	492,694	467,610	29.0	18.8	4.2	-4.3	-5.1	14
2 Jefferson	30,725	55,687	127,520	235,368	371,753	438,430	81.2	129.0	84.6	57.9	17.9	6
3 Boulder	37,438	48,296	74,254	131,889	189,625	225,339	29.0	53.7	77.6	43.8	18.8	5
4 Adams	22,481	40,234	120,296	185,789	245,944	265,038	79.0	199.0	54.4	32.4	7.8	10
5 Arapahoe	32,150	52,125	113,426	162,142	293,292	391,511	62.1	117.6	42.9	80.9	33.5	2
6 El Paso	54,025	74,523	143,742	235,972	309,424	397,014	37.9	92.9	64.2	31.1	28.3	3
7 Larimer	35,539	43,554	53,343	89,900	149,184	186,136	22.6	22.5	68.5	65.9	24.8	4
8 Pueblo	68,870	90,188	118,707	118,238	125,972	123,051	31.0	31.6	-0.4	6.5	-2.3	12
9 Weld	63,747	67,504	72,344	89,297	123,438	131,821	5.9	7.2	23.4	38.2	6.8	11
10 Northwest Reg	52,380	61,264	74,943	80,562	123,432	140,448	17.0	22.3	7.5	53.2	13.8	8
11 Western Reg	69,043	65,508	64,464	73,785	117,039	133,220	-5.1	-1.6	14.5	58.6	13.8	7
12 Eastern Reg	148,008	151,141	142,033	133,315	138,297	132,633	2.1	-6.0	-6.1	3.7	-4.1	13
13 Central Reg	55,644	45,527	49,511	61,505	100,530	143,612	-18.2	8.8	24.2	63.5	42.9	1
14 Southern Reg	130,834	113,752	105,477	97,156	109,111	118,531	-13.1	-7.3	-7.9	12.3	8.6	9

Population figures are April 1 census counts from the U.S. Census Bureau and differ from midyear estimates appearing elsewhere in this report. Note differences from figures for 1990 in Table 12. Population figures for 1990 are preliminary and subject to revision. See inside back cover for descriptions of regions.

Table 12. Population by County and Region: Colorado, 1980-1990

PLACE	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Colorado	2,908,294	2,983,925	3,071,633	3,148,292	3,189,318	3,232,421	3,265,315	3,293,123	3,300,102	3,316,834	3,372,558
Adams	247,313	252,977	260,105	267,306	265,886	268,920	268,856	269,992	269,[illegible]9	267,183	270,690
Alamosa	11,813	12,026	12,004	12,293	12,475	12,454	12,676	12,690	12,851	12,702	12,785
Arapahoe	297,611	315,061	334,067	348,336	365,790	379,334	384,978	386,640	383,813	386,271	398,417
Archuleta	3,691	3,974	4,162	4,959	4,957	5,194	5,325	5,256	4,997	5,196	5,310
Baca	5,363	5,301	5,260	5,193	4,962	4,774	4,480	4,450	4,600	4,500	4,391
Bent	5,902	5,904	5,743	5,961	5,841	5,699	5,741	5,458	5,459	5,238	5,143
Boulder	190,691	195,113	200,610	205,329	211,229	210,697	213,367	216,356	220,520	224,836	229,150
Chaffee	13,249	13,499	13,336	13,116	12,735	12,225	12,337	12,322	12,227	12,386	12,481
Cheyenne	2,131	2,209	2,269	2,289	2,336	2,432	2,344	2,288	2,444	2,604	2,611
Clear Creek	7,290	7,426	7,295	7,555	7,542	7,692	7,862	7,507	7,379	7,282	7,420
Conejos	7,743	7,714	7,757	7,993	8,140	7,956	8,180	8,377	8,167	7,974	7,930
Costilla	3,030	3,026	3,099	3,253	3,250	3,352	3,303	3,352	3,406	3,291	3,281
Crowley	2,954	2,978	2,967	3,150	3,048	3,213	3,260	3,411	4,353	4,498	4,489
Custer	1,495	1,528	1,598	1,759	1,905	2,091	2,118	2,102	2,035	2,015	2,053
Delta	21,463	22,554	23,614	23,917	24,416	23,959	22,929	22,471	22,248	22,047	22,281
Denver	493,973	499,256	504,416	512,317	508,471	511,085	514,639	511,326	502,423	498,194	499,887
Dolores	1,625	1,643	1,655	1,766	1,670	1,531	1,522	1,488	1,591	1,555	1,526
Douglas	25,470	26,895	28,776	31,354	33,844	36,729	41,235	43,521	46,573	49,387	52,812
Eagle	13,379	13,769	15,420	16,043	16,907	18,229	19,118	19,346	19,941	21,344	22,101
Elbert	6,867	7,069	7,435	7,916	8,170	8,460	8,676	9,217	9,669	9,560	9,852
El Paso	311,935	322,144	331,760	341,890	355,026	368,861	379,788	393,906	396,006	397,193	406,570
Fremont	28,754	29,230	29,840	30,658	30,394	30,264	29,842	29,950	30,195	30,214	30,573
Garfield	22,925	24,764	28,711	28,503	25,154	25,121	25,486	25,612	26,384	27,712	28,357
Gilpin	2,423	2,510	2,607	2,781	2,713	2,718	2,801	2,790	2,641	2,550	2,607
Grand	7,503	7,795	8,234	8,317	9,208	9,623	9,636	9,503	9,105	8,873	9,078
Gunnison	10,679	10,803	10,904	10,800	10,998	11,130	11,830	11,988	12,119	11,939	12,144
Hinsdale	379	404	410	473	476	372	360	383	359	341	344
Huerfano	6,394	6,373	6,653	6,967	6,940	7,209	7,238	7,066	6,924	6,826	6,792
Jackson	1,845	1,955	1,967	1,713	1,686	1,598	1,563	1,608	1,532	1,462	1,442
Jefferson	374,347	384,883	395,959	402,296	408,632	415,246	419,454	421,947	422,380	424,637	431,918
Kiowa	1,906	1,963	1,903	1,914	1,943	1,852	1,811	1,778	1,736	1,726	1,700
Kit Carson	7,549	7,526	7,630	7,880	7,977	7,751	7,627	7,541	7,627	7,589	7,580
Lake	8,828	8,991	8,480	7,746	7,286	6,938	6,627	6,253	5,971	6,158	6,050
La Plata	27,161	28,362	29,459	30,468	30,596	30,812	30,122	30,196	30,303	30,829	31,304
Larimer	150,043	153,640	158,492	162,532	166,165	170,311	174,502	177,863	179,613	182,931	187,861
Las Animas	14,902	15,089	15,145	15,127	14,722	14,259	14,141	14,456	14,266	14,025	13,845
Lincoln	4,595	4,479	4,480	4,554	4,468	4,609	4,460	4,488	4,629	4,617	4,591
Logan	19,793	19,911	19,930	20,221	19,962	19,779	18,990	18,716	19,044	18,971	18,854
Mesa	82,621	87,150	94,031	97,035	93,943	88,579	86,218	86,455	88,204	91,674	93,209
Mineral	782	864	807	817	799	764	692	652	603	526	523
Moffat	13,164	13,452	14,513	15,085	13,776	12,576	11,888	11,051	10,814	10,507	10,590
Montezuma	16,629	17,266	17,975	18,761	18,735	17,997	17,367	16,600	16,305	16,400	16,485
Montrose	24,504	25,263	25,705	26,259	25,876	25,540	25,195	25,458	25,954	26,422	26,676
Morgan	22,478	22,485	22,828	23,502	23,120	22,797	21,941	22,212	22,423	22,574	22,615
Otero	22,543	22,590	22,514	22,538	22,149	22,186	21,960	21,526	21,513	21,209	21,009
Ouray	1,900	1,985	2,019	2,008	2,067	1,968	1,823	1,951	1,983	2,006	2,024
Park	5,395	5,813	6,120	6,488	6,256	6,028	6,168	6,151	6,019	6,066	6,253
Phillips	4,492	4,485	4,564	4,718	4,477	4,491	4,534	4,531	4,466	4,401	4,386
Pitkin	10,247	10,047	10,289	10,609	11,359	12,101	12,979	13,267	13,501	14,067	14,513
Prowers	13,016	12,996	13,226	13,917	14,080	14,106	13,817	13,660	13,839	13,303	13,264
Pueblo	125,933	125,947	125,870	126,571	126,488	127,036	128,562	130,322	132,176	132,900	133,041
Rio Blanco	6,309	6,693	6,946	7,155	6,406	5,976	5,743	5,652	5,443	5,196	5,181
Rio Grande	10,534	10,788	11,007	11,275	11,269	11,417	11,762	11,618	11,409	10,926	10,913
Routt	13,396	13,533	13,909	14,093	14,593	14,633	14,380	14,495	14,463	14,761	15,129
Saguache	3,907	3,955	3,959	4,101	3,978	3,902	4,001	4,099	3,916	3,816	3,778
San Juan	819	945	1,123	987	902	748	741	805	745	749	742
San Miguel	3,157	3,199	3,079	3,051	3,169	3,478	3,748	3,937	4,123	4,275	4,350

PLACE	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Sedgwick	3,216	3,205	3,215	3,201	3,261	3,082	2,929	2,924	2,948	2,910	2,856
Summit	8,913	9,329	10,238	10,664	12,597	13,640	14,250	13,500	13,756	14,178	14,710
Teller	8,080	8,460	9,024	9,746	10,291	10,586	10,929	11,431	11,301	11,177	11,572
Washington	5,246	5,166	5,334	5,507	5,456	5,314	5,106	5,102	5,039	4,848	4,762
Weld	123,783	125,316	126,758	130,976	133,868	136,581	137,161	140,007	142,036	143,392	145,908
Yuma	9,659	9,735	9,907	10,059	9,986	9,919	9,671	9,560	9,697	9,357	9,353
PLANNING AND MANAGEMENT REGIONS:											
PMR 1	64,884	64,987	65,778	67,208	66,262	65,382	63,171	63,045	63,617	63,061	62,826
2	273,826	278,956	285,250	293,508	300,033	306,892	311,663	317,870	321,649	326,323	333,769
3	1,639,118	1,684,121	1,733,835	1,777,274	1,804,107	1,832,421	1,853,192	1,860,079	1,855,088	1,860,340	1,892,901
4	325,410	336,417	346,904	358,124	371,573	385,475	396,885	411,488	413,326	414,436	424,395
5	21,142	21,283	21,814	22,639	22,951	23,252	23,107	23,534	24,369	24,370	24,634
6	51,684	51,732	51,613	52,673	52,023	51,830	51,069	50,283	51,500	50,474	49,996
7	125,933	125,947	125,870	126,571	126,488	127,036	128,562	130,322	132,176	132,900	133,041
8	37,809	38,373	38,633	39,732	39,911	39,845	40,614	40,788	40,352	39,235	39,210
9	49,925	52,190	54,374	56,941	56,860	56,282	55,077	54,345	53,941	54,729	55,367
10	62,082	64,208	65,731	66,508	67,002	66,447	65,885	66,188	66,786	67,030	67,819
11	125,019	132,059	144,201	147,778	139,279	132,252	129,335	128,770	130,845	135,089	137,337
12	55,283	56,428	60,057	61,439	66,350	69,824	71,926	71,719	72,298	74,685	76,973
13	52,326	53,248	53,254	53,279	52,320	51,518	50,924	50,627	50,428	50,773	51,160
14	21,296	21,462	21,798	22,094	21,662	21,468	21,379	21,522	21,190	20,851	20,637
METRO/NON-METRO:											
Den PMSA	1,438,714	1,479,072	1,523,323	1,561,609	1,582,623	1,611,314	1,629,162	1,633,426	1,624,548	1,625,672	1,653,724
Den CMSA	1,629,405	1,674,185	1,723,933	1,766,938	1,793,852	1,822,011	1,842,529	1,849,782	1,845,068	1,850,508	1,882,874
All Metro	2,341,099	2,401,232	2,466,813	2,528,907	2,575,399	2,624,800	2,662,542	2,691,880	2,694,899	2,706,924	2,756,254
Non-Metro	564,638	580,179	602,299	616,861	611,422	605,124	600,247	598,700	602,666	607,372	613,811
FIVE-REGION SUBSTATE GROUPS:											
Frnt Range	2,341,099	2,401,232	2,466,813	2,528,907	2,575,399	2,624,800	2,662,542	2,691,880	2,694,899	2,706,924	2,756,254
West Slope	292,309	304,885	324,363	332,666	329,491	324,805	322,223	321,022	323,870	331,533	337,496
East Plns	137,710	138,002	139,205	142,520	141,236	140,464	137,347	136,862	139,486	137,905	137,456
San Luis	37,809	38,373	38,633	39,732	39,911	39,845	40,614	40,788	40,352	39,235	39,210
East Mtns	96,810	98,919	100,098	101,943	100,784	100,010	100,063	100,028	98,958	98,699	99,649
POPULATION-BASED REGIONS:											
1 Denver	493,973	499,256	504,416	512,317	508,471	511,085	514,639	511,326	502,423	498,194	499,887
2 Jefferson	374,347	384,883	395,959	402,296	408,632	415,246	419,454	421,947	422,380	424,637	431,918
3 Boulder	190,691	195,113	200,610	205,329	211,229	210,697	213,367	216,356	220,520	224,836	229,150
4 Adams	247,313	252,977	260,105	267,306	265,886	268,920	268,856	269,992	269,359	267,183	270,690
5 Arapahoe	297,611	315,061	334,067	348,336	365,790	379,334	384,978	386,640	383,813	386,271	398,417
6 El Paso	311,935	322,144	331,760	341,890	355,026	368,861	379,788	393,906	396,006	397,193	406,570
7 Larimer	150,043	153,640	158,492	162,532	166,165	170,311	174,502	177,863	179,613	182,931	187,861
8 Pueblo	125,933	125,947	125,870	126,571	126,488	127,036	128,562	130,322	132,176	132,900	133,041
9 Weld	123,783	125,316	126,758	130,976	133,868	136,581	137,161	140,007	142,036	143,392	145,908
10 Northwest	125,019	132,059	144,201	147,778	139,279	132,252	129,335	128,770	130,845	135,089	137,337
11 Western	117,365	120,636	125,788	127,947	133,352	136,271	137,811	137,907	139,084	141,715	144,792
12 Eastern	137,710	138,002	139,205	142,520	141,236	140,464	137,347	136,862	139,486	137,905	137,456
13 Central	100,984	104,352	107,076	111,203	112,966	115,271	119,919	122,027	124,341	127,235	131,824
14 Southern	109,030	112,025	114,805	118,767	118,433	117,595	117,070	116,655	115,483	114,815	115,214

Population figures are 1989-based estimates and projections from the Demographic Section, Colorado Department of Local Affairs. See Table 11 for comparison of estimates for 1990 with preliminary census counts.

Table 13. Estimated Population, Population Growth (1988-89), and Population Density by County and Region: Colorado, 1989

	POPULATION				POPULATION GROWTH			POPULATION DENSITY 1989		
PLACE	1989 TOTAL	1989 PERCENT	1989 RANK	1988 TOTAL	POPULATION GAIN/LOSS	PERCENT CHANGE	RANK	AREA IN SQ MILES	PERSONS PER SQ MILE	RANK
Colorado	3,316,834	100.0	-	3,300,102	16,732	0.5	-	103,595	32.0	-
Adams	267,183	8.1	5	269,359	(2,176)	-0.8	33	1,235	216.3	5
Alamosa	12,702	0.4	27	12,851	(149)	-1.2	39	719	17.7	19
Arapahoe	386,271	11.6	4	383,813	2,458	0.6	22	800	482.8	3
Archuleta	5,196	0.2	43	4,997	199	4.0	6	1,353	3.8	41
Baca	4,500	0.1	47	4,600	(100)	-2.2	47	2,554	1.8	55
Bent	5,238	0.2	42	5,459	(221)	-4.0	58	1,517	3.5	45
Boulder	224,836	6.8	6	220,520	4,316	2.0	13	742	303.0	4
Chaffee	12,386	0.4	28	12,227	159	1.3	17	1,008	12.3	25
Cheyenne	2,604	0.1	54	2,444	160	6.5	2	1,783	1.5	58
Clear Creek	7,282	0.2	38	7,379	(97)	-1.3	41	396	18.4	16
Conejos	7,974	0.2	36	8,167	(193)	-2.4	49	1,284	6.2	34
Costilla	3,291	0.1	52	3,406	(115)	-3.4	53	1,227	2.7	50
Crowley	4,498	0.1	48	4,353	145	3.3	9	790	5.7	35
Custer	2,015	0.1	56	2,035	(20)	-1.0	36	740	2.7	49
Delta	22,047	0.7	17	22,248	(201)	-0.9	35	1,141	19.3	15
Denver	498,194	15.0	1	502,423	(4,229)	-0.8	34	111	4,488.2	1
Dolores	1,555	0.0	59	1,591	(36)	-2.3	48	1,064	1.5	57
Douglas	49,387	1.5	11	46,573	2,814	6.0	3	841	58.7	8
Eagle	21,344	0.6	18	19,941	1,403	7.0	1	1,690	12.6	24
Elbert	9,560	0.3	33	9,669	(109)	-1.1	38	1,851	5.2	37
El Paso	397,193	12.0	3	396,006	1,187	0.3	27	2,129	186.6	6
Fremont	30,214	0.9	13	30,195	19	0.1	28	1,538	19.6	14
Garfield	27,712	0.8	14	26,384	1,328	5.0	4	2,952	9.4	29
Gilpin	2,550	0.1	55	2,641	(91)	-3.4	54	149	17.1	20
Grand	8,873	0.3	35	9,105	(232)	-2.5	50	1,854	4.8	38
Gunnison	11,939	0.4	29	12,119	(180)	-1.5	45	3,238	3.7	43
Hinsdale	341	0.0	63	359	(18)	-5.0	62	1,115	0.3	63
Huerfano	6,826	0.2	39	6,924	(98)	-1.4	43	1,584	4.3	39
Jackson	1,462	0.0	60	1,532	(70)	-4.6	61	1,614	0.9	[illegible]
Jefferson	424,637	12.8	2	422,380	2,257	0.5	26	768	552.9	[illegible]
Kiowa	1,726	0.1	58	1,736	(10)	-0.6	32	1,758	1.0	60
Kit Carson	7,589	0.2	37	7,627	(38)	-0.5	31	2,160	3.5	44
Lake	6,158	0.2	40	5,971	187	3.1	10	379	16.2	22
La Plata	30,829	0.9	12	30,303	526	1.7	16	1,692	18.2	17
Larimer	182,931	5.5	7	179,613	3,318	1.8	14	2,604	70.3	7
Las Animas	14,025	0.4	25	14,266	(241)	-1.7	46	4,771	2.9	47
Lincoln	4,617	0.1	46	4,629	(12)	-0.3	29	2,586	1.8	54
Logan	18,971	0.6	20	19,044	(73)	-0.4	30	1,818	10.4	28
Mesa	91,674	2.8	10	88,204	3,470	3.9	7	3,309	27.7	11
Mineral	526	0.0	62	603	(77)	-12.8	63	877	0.6	62
Moffat	10,507	0.3	32	10,814	(307)	-2.8	52	4,732	2.2	51
Montezuma	16,400	0.5	21	16,305	95	0.6	23	2,038	8.0	31
Montrose	26,422	0.8	15	25,954	468	1.8	15	2,240	11.8	27
Morgan	22,574	0.7	16	22,423	151	0.7	21	1,276	17.7	18
Otero	21,209	0.6	19	21,513	(304)	-1.4	42	1,247	17.0	21
Ouray	2,006	0.1	57	1,983	23	1.2	18	542	3.7	42
Park	6,066	0.2	41	6,019	47	0.8	20	2,192	2.8	48
Phillips	4,401	0.1	49	4,466	(65)	-1.5	44	688	6.4	32
Pitkin	14,067	0.4	24	13,501	566	4.2	5	968	14.5	23
Prowers	13,303	0.4	26	13,839	(536)	-3.9	57	1,629	8.2	30
Pueblo	132,900	4.0	9	132,176	724	0.5	24	2,377	55.9	9
Rio Blanco	5,196	0.2	44	5,443	(247)	-4.5	60	3,222	1.6	56
Rio Grande	10,926	0.3	31	11,409	(483)	-4.2	59	913	12.0	26
Routt	14,761	0.4	22	14,463	298	2.1	12	2,367	6.2	33
Saguache	3,816	0.1	51	3,916	(100)	-2.6	51	3,167	1.2	59
San Juan	749	0.0	61	745	4	0.5	25	388	1.9	52
San Miguel	4,275	0.1	50	4,123	152	3.7	8	1,287	3.3	46

		POPULATION			POPULATION GROWTH			POPULATION DENSITY 1989		
PLACE	1989 TOTAL	1989 PERCENT	1989 RANK	1988 TOTAL	POPULATION GAIN/LOSS	PERCENT CHANGE	RANK	AREA IN SQ MILES	PERSONS PER SQ MILE	RANK
Sedgwick	2,910	0.1	53	2,948	(38)	-1.3	40	540	5.4	36
Summit	14,178	0.4	23	13,756	422	3.1	11	607	23.4	12
Teller	11,177	0.3	30	11,301	(124)	-1.1	37	559	20.0	13
Washington	4,848	0.1	45	5,039	(191)	-3.8	56	2,520	1.9	53
Weld	143,392	4.3	8	142,036	1,356	1.0	19	3,990	35.9	10
Yuma	9,357	0.3	34	9,697	(340)	-3.5	55	2,365	4.0	40
PLANNING AND MANAGEMENT REGIONS:										
PMR 1	63,061	1.9	8	63,617	(556)	-0.9	11	9,207	6.8	10
2	326,323	9.8	3	321,649	4,674	1.5	4	6,594	49.5	4
3	1,860,340	56.1	1	1,855,088	5,252	0.3	8	5,042	369.0	1
4	414,436	12.5	2	413,326	1,110	0.3	9	4,880	84.9	2
5	24,370	0.7	11	24,369	1	0.0	10	8,380	2.9	14
6	50,474	1.5	13	51,500	(1,026)	-2.0	13	9,495	5.3	11
7	132,900	4.0	5	132,176	724	0.5	6	2,377	55.9	3
8	39,235	1.2	10	40,352	(1,117)	-2.8	14	8,187	4.8	12
9	54,729	1.7	9	53,941	788	1.5	3	6,535	8.4	7
10	67,030	2.0	7	66,786	244	0.4	7	9,563	7.0	9
11	135,089	4.1	4	130,845	4,244	3.2	2	14,215	9.5	6
12	74,685	2.3	6	72,298	2,387	3.3	1	9,100	8.2	8
13	50,773	1.5	12	50,428	345	0.7	5	3,665	13.9	5
14	20,851	0.6	14	21,190	(339)	-1.6	12	6,355	3.3	13
METRO/NON-METRO:										
Denver PMSA	1,625,672	49.0	-	1,624,548	1,124	0.1	-	3,755	432.9	-
Denver CMSA	1,850,508	55.8	-	1,845,068	5,440	0.3	-	4,497	411.5	-
Total Metro	2,706,924	81.6	-	2,694,899	12,025	0.4	-	15,597	173.6	-
Non-Metro	607,372	18.3	-	602,666	4,706	0.8	-	87,998	6.9	-
FIVE-REGION SUBSTATE GROUPS:										
Front Range	2,706,924	81.6	1	2,694,899	12,025	0.4	2	15,597	173.6	1
Western Slope	331,533	10.0	2	323,870	7,663	2.4	1	39,413	8.4	2
Eastern Plains	137,905	4.2	3	139,486	(1,581)	-1.1	4	27,082	5.1	4
San Luis Valley	39,235	1.2	5	40,352	(1,117)	-2.8	5	8,187	4.8	5
Eastern Mtns	98,699	3.0	4	98,958	(259)	-0.3	3	13,316	7.4	3
POPULATION-BASED REGIONS:										
1 Denver	498,194	15.0	1	502,423	(4,229)	-0.8	13	111	4,488.2	1
2 Jefferson	424,637	12.8	2	422,380	2,257	0.5	9	768	552.9	2
3 Boulder	224,836	6.8	6	220,520	4,316	2.0	3	742	303.0	4
4 Adams	267,183	8.1	5	269,359	(2,176)	-0.8	12	1,235	216.3	5
5 Arapahoe	386,271	11.6	4	383,813	2,458	0.6	7	800	482.8	3
6 El Paso	397,193	12.0	3	396,006	1,187	0.3	10	2,129	186.6	6
7 Larimer	182,931	5.5	7	179,613	3,318	1.8	5	2,604	70.3	7
8 Pueblo	132,900	4.0	12	132,176	724	0.5	8	2,377	55.9	8
9 Weld	143,392	4.3	8	142,036	1,356	1.0	6	3,990	35.9	9
10 Northwest Reg	135,089	4.1	11	130,845	4,244	3.2	1	14,215	9.5	11
11 Western Reg	141,715	4.3	9	139,084	2,631	1.9	4	18,663	7.6	12
12 Eastern Reg	137,905	4.2	10	139,486	(1,581)	-1.1	14	27,082	5.1	14
13 Central Reg	127,235	3.8	13	124,341	2,894	2.3	2	7,802	16.3	10
14 Southern Reg	114,815	3.5	14	115,483	(668)	-0.6	11	21,077	5.4	13

Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs. See inside back cover for descriptions of regions.

Figure 6. Percent of County Populations Younger than 15 Years Old: Colorado, 1989

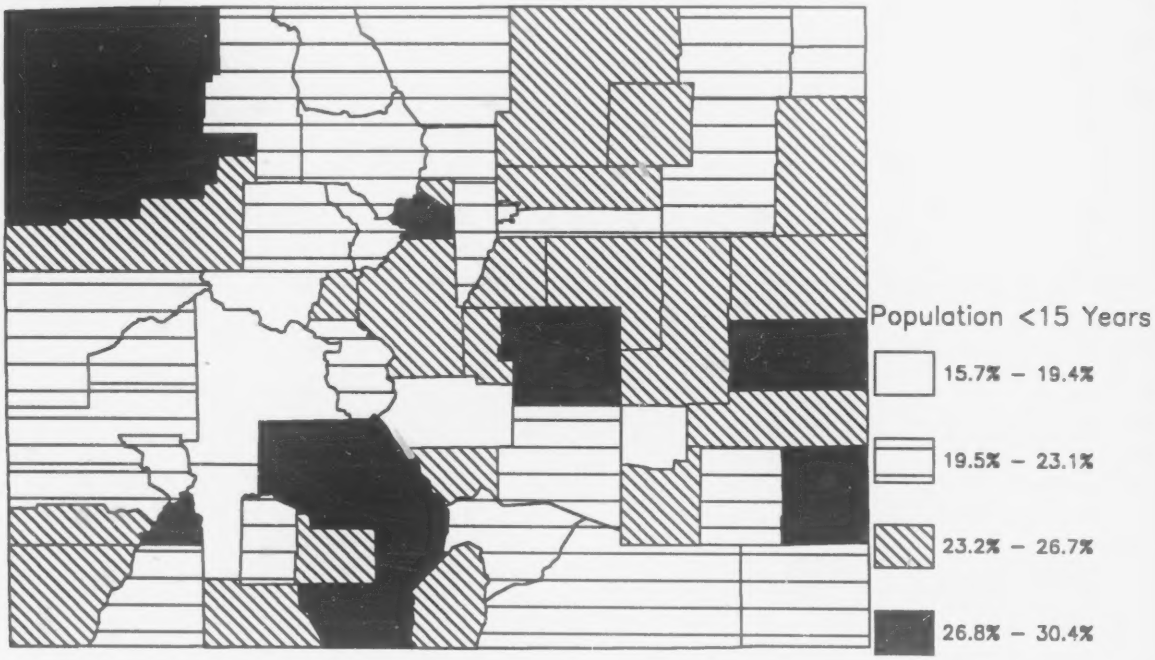

Population <15 Years
15.7% – 19.4%
19.5% – 23.1%
23.2% – 26.7%
26.8% – 30.4%

Figure 7. Percent of County Populations 65 Years Old or Older: Colorado, 1989

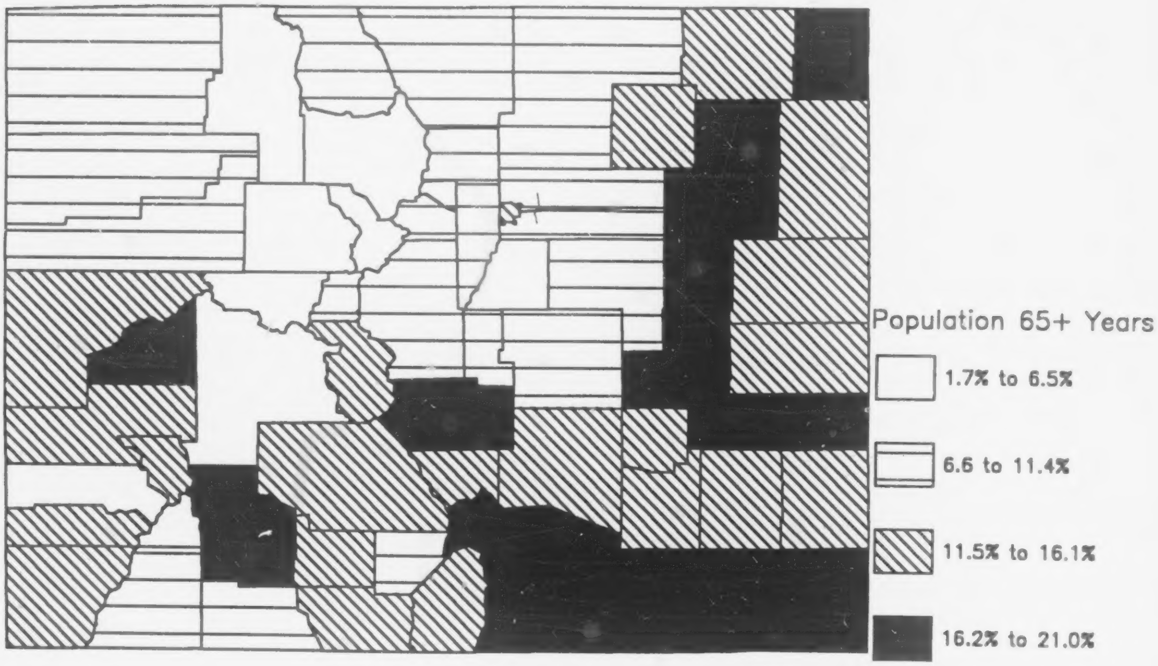

Population 65+ Years
1.7% to 6.5%
6.6 to 11.4%
11.5% to 16.1%
16.2% to 21.0%

Table 14. Total Population by Age by County and Region: Colorado, 1989

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	3,316,834	56,536	218,894	255,373	227,067	225,948	249,670	606,665	562,765	332,912	254,965	192,719	99,738	33,582
Adams	267,183	5,059	19,525	22,827	20,584	18,000	14,424	48,789	46,135	27,814	22,548	13,831	6,042	1,605
Alamosa	12,702	233	934	1,225	1,025	1,046	898	2,111	2,008	1,108	887	699	406	122
Arapahoe	386,271	6,730	24,795	29,111	28,214	25,119	15,202	70,703	82,673	44,767	28,474	20,274	7,837	2,372
Archuleta	5,196	87	367	472	430	393	359	749	808	530	494	367	109	31
Baca	4,500	63	273	347	305	260	239	659	616	433	448	463	291	103
Bent	5,238	44	252	404	418	365	303	702	753	542	616	482	264	93
Boulder	224,836	3,367	13,064	14,841	13,579	16,099	24,422	44,671	40,172	23,185	14,369	9,714	5,378	1,975
Chaffee	12,386	180	661	805	757	947	1,157	2,017	1,682	1,194	1,021	1,028	741	196
Cheyenne	2,604	45	221	288	193	124	124	485	394	198	218	177	108	29
Clear Creek	7,282	119	539	702	592	401	184	1,066	1,833	854	495	316	135	46
Conejos	7,974	106	561	817	724	579	509	1,299	1,035	705	685	536	318	100
Costilla	3,291	41	210	298	237	190	187	571	469	324	263	290	154	57
Crowley	4,498	44	249	341	227	189	324	1,128	683	359	331	325	214	84
Custer	2,015	6	107	209	160	93	62	386	378	188	175	133	100	18
Delta	22,047	247	1,059	1,522	1,591	1,683	1,541	2,837	3,070	2,186	1,733	2,380	1,667	531
Denver	498,194	7,070	31,872	36,808	30,374	25,184	39,887	98,885	79,798	42,987	43,023	35,007	19,579	7,720
Dolores	1,555	21	104	139	120	96	88	241	216	166	156	129	64	15
Douglas	49,387	1,000	3,695	3,825	3,836	3,730	4,744	10,511	8,401	5,105	2,276	1,471	599	194
Eagle	21,344	399	1,590	1,611	1,271	1,284	2,492	6,710	3,302	1,497	694	350	114	30
Elbert	9,560	132	587	808	781	777	784	1,596	1,729	1,086	572	405	226	77
El Paso	397,193	10,086	34,968	35,697	27,710	30,408	37,971	70,694	56,372	34,425	27,652	19,278	9,043	2,889
Fremont	30,214	408	1,521	1,836	1,804	2,092	2,418	4,952	3,989	2,727	2,466	2,847	2,339	815
Garfield	27,712	463	1,935	2,362	2,045	1,766	1,720	5,059	5,150	2,724	1,690	1,462	992	344
Gilpin	2,550	56	196	210	133	119	84	358	656	336	190	121	73	18
Grand	8,873	95	530	715	652	467	557	2,282	1,624	863	593	317	144	34
Gunnison	11,939	173	538	685	590	1,384	2,335	2,274	1,808	953	595	357	179	68
Hinsdale	341	6	18	19	15	18	20	60	64	35	19	38	22	7
Huerfano	6,826	42	336	579	507	379	335	1,114	1,058	630	610	626	447	163
Jackson	1,462	13	65	99	110	100	71	178	276	233	169	86	49	13
Jefferson	424,637	7,536	25,976	28,924	28,214	29,793	26,080	71,664	82,034	52,207	36,025	23,868	9,378	2,938
Kiowa	1,726	17	105	161	130	88	76	230	208	184	223	231	51	22
Kit Carson	7,589	90	461	651	614	478	399	1,161	1,128	771	709	619	389	119
Lake	6,158	59	370	577	567	401	277	1,157	1,111	667	523	290	143	16
La Plata	30,829	572	1,994	2,297	1,856	2,346	2,704	5,980	5,099	2,880	2,045	1,725	985	346
Larimer	182,931	3,228	11,188	13,061	10,812	15,618	21,023	33,123	29,001	16,830	11,584	9,586	5,839	2,038
Las Animas	14,025	120	730	1,110	1,037	801	780	2,323	1,922	1,217	1,275	1,383	998	329
Lincoln	4,617	82	339	387	268	204	238	763	576	487	456	450	269	98
Logan	18,971	187	1,086	1,590	1,384	1,059	1,105	3,460	2,741	1,832	1,813	1,499	885	330
Mesa	91,674	1,144	5,426	7,326	6,752	5,812	5,821	15,822	14,826	8,836	7,026	7,130	4,253	1,500
Mineral	526	8	32	38	27	25	23	84	87	67	32	73	28	2
Moffat	10,507	124	686	1,035	999	650	181	1,316	2,289	1,381	952	541	262	91
Montezuma	16,400	236	1,050	1,413	1,494	1,242	845	1,978	2,628	1,819	1,443	1,306	715	231
Montrose	26,422	248	1,454	2,233	1,969	1,586	1,468	4,187	4,215	2,966	2,241	2,103	1,359	393
Morgan	22,574	323	1,550	2,074	1,785	1,358	1,152	3,654	3,337	2,178	1,980	1,704	1,080	399
Otero	21,209	285	1,331	1,784	1,607	1,371	1,320	3,186	2,878	2,118	1,918	1,762	1,191	458
Ouray	2,006	22	112	165	142	122	106	263	392	247	163	163	93	16
Park	6,066	120	421	498	472	502	390	745	1,332	756	422	290	99	19
Phillips	4,401	34	216	344	347	268	209	591	646	450	399	423	340	134
Pitkin	14,067	174	664	688	687	801	1,354	4,708	2,387	1,482	624	340	128	30
Prowers	13,303	203	1,012	1,382	1,176	857	688	1,989	2,005	1,258	1,091	930	520	192
Pueblo	132,900	1,860	7,552	9,634	9,224	9,781	10,807	22,124	18,754	12,393	12,539	10,554	5,926	1,752
Rio Blanco	5,196	68	367	516	449	289	188	761	895	657	512	299	151	44
Rio Grande	10,926	150	730	1,015	923	718	528	1,630	1,662	1,104	903	839	536	188
Routt	14,761	177	887	1,166	1,093	833	905	4,093	2,698	1,498	714	419	202	76
Saguache	3,816	63	297	393	307	226	200	560	548	342	353	308	167	52
San Juan	749	10	59	89	70	40	26	128	170	74	53	25	4	1
San Miguel	4,275	53	231	320	337	351	360	1,264	683	356	150	99	55	16

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	2,910	29	133	190	211	197	160	375	384	300	321	333	218	59
Summit	14,178	201	903	944	789	757	1,740	4,891	2,304	986	428	180	48	7
Teller	11,177	220	791	882	776	808	819	1,757	2,135	1,262	830	586	259	52
Washington	4,848	39	239	390	388	310	219	645	736	498	531	502	260	91
Weld	143,392	2,412	9,108	11,525	10,241	12,208	13,436	25,386	22,096	13,402	10,064	7,598	4,493	1,423
Yuma	9,357	80	511	834	799	618	459	1,303	1,424	987	878	756	508	200
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	63,061	692	3,735	5,422	4,914	3,810	3,304	10,028	9,268	6,245	5,922	5,217	3,291	1,213
2	326,323	5,640	20,296	24,586	21,053	27,826	34,459	58,509	51,097	30,232	21,648	17,184	10,332	3,461
3	1,860,340	30,937	119,662	137,248	125,526	118,445	125,027	346,647	341,702	197,255	147,400	104,602	49,021	16,868
4	414,436	10,426	36,180	37,077	28,958	31,718	39,180	73,196	59,839	36,443	28,904	20,154	9,401	2,960
5	24,370	349	1,608	2,134	1,856	1,583	1,545	4,005	3,827	2,542	1,955	1,651	992	323
6	50,474	656	3,222	4,419	3,863	3,130	2,950	7,894	7,143	4,894	4,627	4,193	2,531	952
7	132,900	1,860	7,552	9,634	9,224	9,781	10,807	22,124	18,754	12,393	12,539	10,554	5,926	1,752
8	39,235	601	2,764	3,786	3,243	2,784	2,345	6,255	5,809	3,650	3,123	2,745	1,609	521
9	54,729	926	3,574	4,410	3,970	4,117	4,022	9,076	8,921	5,469	4,191	3,552	1,877	624
10	67,030	749	3,412	4,944	4,644	5,144	5,830	10,885	10,232	6,743	4,901	5,140	3,375	1,031
11	135,089	1,799	8,414	11,239	10,245	8,517	7,910	22,958	23,160	13,598	10,180	9,432	5,658	1,979
12	74,685	1,059	4,639	5,223	4,602	4,242	7,119	22,862	12,591	6,559	3,222	1,692	685	190
13	50,773	653	2,659	3,427	3,288	3,533	3,914	8,512	7,160	4,776	4,185	4,298	3,323	1,045
14	20,851	162	1,066	1,689	1,544	1,180	1,115	3,437	2,980	1,847	1,885	2,009	1,445	492
METRO/NON-METRO:														
Denver PMSA	1,625,672	27,395	105,863	121,495	111,222	101,826	100,337	300,552	299,041	172,880	132,346	94,451	43,435	14,829
Denver CMSA	1,850,508	30,762	118,927	136,336	124,801	117,925	124,759	345,223	339,213	196,065	146,715	104,165	48,813	16,804
Total Metro	2,706,924	48,348	181,743	206,253	182,788	185,940	207,996	496,550	465,436	273,115	208,554	151,181	74,114	24,906
Non-Metro	607,372	8,161	37,040	48,985	44,142	39,870	41,531	109,838	97,047	59,531	46,128	41,242	25,352	8,505
FIVE-REGION SUBSTATE GROUPS:														
Front Range	2,706,924	48,348	181,743	206,253	182,788	185,940	207,996	496,550	465,436	273,115	208,554	151,181	74,114	24,906
West Slope	331,533	4,533	20,039	25,816	23,461	22,020	24,881	65,781	54,904	32,369	22,494	19,816	11,595	3,824
East Plains	137,905	1,697	8,565	11,975	10,633	8,523	7,799	21,927	20,238	13,681	12,504	11,061	6,814	2,488
San Luis Val	39,235	601	2,764	3,786	3,243	2,784	2,345	6,255	5,809	3,650	3,123	2,745	1,609	521
Eastern Mtns	98,699	1,330	5,672	7,408	6,805	6,543	6,506	15,875	16,096	9,831	8,007	7,620	5,334	1,672
POPULATION-BASED REGIONS:														
1 Denver	498,194	7,070	31,872	36,808	30,374	25,184	39,887	98,885	79,798	42,987	43,023	35,007	19,579	7,720
2 Jefferson	424,637	7,536	25,976	28,924	28,214	29,793	26,080	71,664	82,034	52,207	36,025	23,868	9,378	2,938
3 Boulder	224,836	3,367	13,064	14,841	13,579	16,099	24,422	44,671	40,172	23,185	14,369	9,714	5,378	1,975
4 Adams	267,183	5,059	19,525	22,827	20,584	18,000	14,424	48,789	46,135	27,814	22,548	13,831	6,042	1,605
5 Arapahoe	386,271	6,730	24,795	29,111	28,214	25,119	15,202	70,703	82,673	44,767	28,474	20,274	7,837	2,372
6 El Paso	397,193	10,086	34,968	35,697	27,710	30,408	37,971	70,694	56,372	34,425	27,652	19,278	9,043	2,889
7 Larimer	182,931	3,228	11,188	13,061	10,812	15,618	21,023	33,123	29,001	16,830	11,584	9,586	5,839	2,038
8 Pueblo	132,900	1,860	7,552	9,634	9,224	9,781	10,807	22,124	18,754	12,393	12,539	10,554	5,926	1,752
9 Weld	143,392	2,412	9,108	11,525	10,241	12,208	13,436	25,386	22,096	13,402	10,064	7,598	4,493	1,423
10 Northwest	135,089	1,799	8,414	11,239	10,245	8,517	7,910	22,958	23,160	13,598	10,180	9,432	5,658	1,979
11 Western	141,715	1,808	8,051	10,167	9,246	9,386	12,949	33,747	22,873	13,302	8,123	6,832	4,060	1,221
12 Eastern	137,905	1,697	8,565	11,975	10,633	8,523	7,799	21,927	20,238	13,681	12,504	11,061	6,814	2,488
13 Central	127,235	2,168	8,301	9,544	9,097	9,093	10,135	22,949	21,517	13,089	8,398	7,082	4,488	1,374
14 Southern	114,815	1,689	7,404	9,885	8,757	8,081	7,482	18,768	17,710	10,966	9,199	8,306	4,931	1,637

Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Table 15. Male Population by Age by County and Region: Colorado, 1989

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	1,647,756	28,934	111,934	130,976	116,168	116,675	129,377	305,646	285,886	165,935	121,980	86,472	38,184	9,589
Adams	131,534	2,618	9,932	11,650	10,590	9,369	6,823	23,332	23,289	13,723	10,890	6,446	2,421	451
Alamosa	6,233	114	481	633	525	503	466	1,063	1,004	541	406	295	163	39
Arapahoe	191,965	3,511	12,737	14,950	14,379	13,030	7,505	34,689	41,886	22,626	13,680	9,257	3,056	659
Archuleta	2,592	42	187	251	224	201	185	363	400	264	231	184	51	9
Baca	2,189	32	132	166	158	140	120	345	314	211	207	211	120	33
Bent	2,649	20	117	199	225	201	154	334	380	281	338	249	122	29
Boulder	113,771	1,702	6,706	7,602	6,944	8,242	13,053	23,166	20,706	11,723	7,088	4,346	1,989	504
Chaffee	6,318	92	343	423	380	508	697	1,140	810	616	498	473	289	49
Cheyenne	1,279	24	110	138	96	69	68	251	208	95	84	82	46	8
Clear Creek	3,769	62	271	349	287	205	94	551	1,023	459	262	140	50	16
Conejos	3,898	52	275	403	377	302	245	643	522	344	317	251	129	38
Costilla	1,607	22	110	155	118	93	89	278	251	155	117	128	72	19
Crowley	2,620	18	124	181	127	116	233	791	435	196	134	152	85	28
Custer	991	1	54	112	85	44	36	203	202	88	67	60	36	3
Delta	10,773	116	523	787	841	884	804	1,452	1,522	1,099	800	1,063	714	168
Denver	240,680	3,644	16,274	18,727	15,415	12,764	19,859	49,139	40,481	21,255	19,640	14,690	6,795	1,997
Dolores	745	11	52	68	56	45	42	126	103	84	70	57	28	3
Douglas	25,414	487	1,891	2,015	1,963	1,834	2,441	5,780	4,288	2,538	1,181	680	259	57
Eagle	11,689	195	820	858	693	695	1,411	3,856	1,762	801	362	182	43	11
Elbert	4,842	66	298	416	414	415	412	807	832	577	294	186	99	26
El Paso	200,681	5,166	17,865	18,468	14,054	16,634	22,032	35,799	28,380	16,458	13,069	8,642	3,329	785
Fremont	15,214	209	777	936	934	1,125	1,387	2,797	2,115	1,355	1,150	1,266	897	266
Garfield	14,009	248	998	1,193	1,045	930	887	2,583	2,726	1,431	848	647	370	103
Gilpin	1,325	28	101	111	61	60	54	183	362	173	104	55	27	6
Grand	4,575	49	268	363	325	228	252	1,263	846	444	308	157	64	8
Gunnison	6,466	88	275	339	297	764	1,411	1,230	990	497	305	180	74	16
Hinsdale	168	2	8	10	10	10	10	31	35	15	6	20	11	0
Huerfano	3,337	22	171	294	259	202	187	589	547	299	268	264	181	54
Jackson	715	6	30	46	54	52	38	78	132	124	92	41	18	4
Jefferson	211,196	3,872	13,274	14,805	14,349	15,275	13,177	35,855	41,300	26,137	17,727	11,050	3,558	817
Kiowa	842	8	51	81	69	45	32	117	115	110	80	99	32	3
Kit Carson	3,732	41	232	342	322	240	191	589	568	378	340	283	162	44
Lake	3,122	25	181	290	296	192	119	588	611	344	273	143	53	7
La Plata	15,514	288	1,015	1,181	955	1,218	1,453	2,995	2,660	1,456	1,000	790	403	100
Larimer	90,661	1,631	5,794	6,674	5,482	7,671	10,838	16,679	14,812	8,464	5,540	4,210	2,242	624
Las Animas	6,744	51	363	576	537	394	389	1,215	982	572	570	603	396	96
Lincoln	2,238	38	170	207	143	103	121	396	287	236	207	201	104	25
Logan	9,265	82	534	831	757	558	526	1,747	1,391	867	849	697	327	99
Mesa	45,073	600	2,787	3,765	3,479	3,031	2,893	7,936	7,528	4,441	3,324	3,177	1,650	462
Mineral	252	3	14	20	14	10	8	48	46	33	17	28	11	0
Moffat	5,201	61	342	521	515	327	53	581	1,188	733	489	275	94	22
Montezuma	7,950	126	532	704	758	641	402	957	1,286	908	692	591	294	59
Montrose	13,048	126	736	1,128	1,024	837	782	2,134	2,105	1,454	1,069	950	587	116
Morgan	11,081	156	774	1,072	967	735	568	1,826	1,658	1,058	938	771	423	135
Otero	10,222	138	661	916	849	724	653	1,582	1,399	1,040	901	764	461	134
Ouray	964	12	57	80	72	65	56	122	191	130	63	80	32	4
Park	3,073	61	215	257	239	261	206	355	671	407	215	134	49	3
Phillips	2,122	19	111	174	179	140	106	300	319	222	188	191	134	39
Pitkin	7,462	92	340	351	358	427	692	2,570	1,253	822	325	174	49	9
Prowers	6,438	98	507	710	625	447	330	984	981	605	499	398	201	53
Pueblo	64,554	976	3,884	4,910	4,649	4,976	5,381	10,826	9,538	5,927	5,931	4,717	2,331	508
Rio Blanco	2,577	34	183	254	223	146	91	393	463	321	266	143	49	11
Rio Grande	5,368	75	367	515	481	372	260	822	838	529	422	385	243	59
Routt	7,798	80	444	623	595	447	478	2,255	1,391	826	364	205	75	15
Saguache	1,894	32	151	203	165	124	96	288	281	171	164	140	61	18
San Juan	373	3	26	45	39	23	12	58	86	45	24	12	0	0
San Miguel	2,297	29	117	159	177	202	203	699	357	198	86	45	22	3

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	1,391	14	69	99	104	92	76	191	197	139	149	154	91	16
Summit	7,793	109	472	480	399	404	947	2,841	1,250	548	225	99	18	1
Teller	5,608	116	406	455	394	432	433	839	1,061	656	413	275	115	13
Washington	2,404	23	120	190	198	174	119	323	382	240	252	241	111	31
Weld	70,359	1,196	4,702	5,959	5,268	5,819	6,322	12,734	11,157	6,678	4,878	3,420	1,774	452
Yuma	4,559	39	254	419	415	321	230	664	699	493	405	342	214	64
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	30,822	333	1,862	2,785	2,620	2,020	1,625	5,051	4,646	3,019	2,781	2,396	1,300	384
2	161,020	2,827	10,496	12,633	10,750	13,490	17,160	29,413	25,969	15,142	10,418	7,630	4,016	1,076
3	919,654	15,924	61,186	70,209	63,988	60,779	63,006	172,695	173,335	98,634	70,572	46,664	18,155	4,507
4	209,362	5,343	18,486	19,180	14,687	17,327	22,671	36,993	30,112	17,521	13,697	9,051	3,493	801
5	12,091	169	810	1,103	975	827	792	2,043	1,895	1,286	925	752	411	103
6	24,960	314	1,592	2,253	2,053	1,673	1,522	4,153	3,624	2,443	2,159	1,873	1,021	280
7	64,554	976	3,884	4,910	4,649	4,976	5,381	10,826	9,538	5,927	5,931	4,717	2,331	508
8	19,252	298	1,398	1,929	1,680	1,404	1,164	3,142	2,942	1,773	1,443	1,227	679	173
9	27,174	470	1,812	2,249	2,032	2,128	2,094	4,499	4,535	2,757	2,017	1,634	776	171
10	33,716	373	1,716	2,503	2,421	2,762	3,266	5,668	5,200	3,393	2,329	2,338	1,440	307
11	66,860	943	4,310	5,733	5,262	4,434	3,924	11,493	11,905	6,926	4,927	4,242	2,163	598
12	40,032	531	2,374	2,721	2,424	2,253	3,818	12,863	6,634	3,565	1,676	858	267	48
13	25,645	327	1,355	1,761	1,695	1,869	2,239	4,728	3,738	2,403	1,988	1,942	1,275	325
14	10,081	73	534	870	796	596	576	1,804	1,529	871	838	867	577	150
METRO/NON-METRO:														
Denver PMSA	800,789	14,132	54,108	62,147	56,696	52,272	49,805	148,795	151,244	86,279	63,118	42,123	16,089	3,981
Denver CMSA	914,560	15,834	60,814	69,749	63,640	60,514	62,858	171,961	171,950	98,002	70,206	46,469	18,078	4,485
Total Metro	1,340,815	24,803	93,059	105,760	93,093	95,614	107,431	247,999	235,837	135,529	99,624	67,458	27,754	6,854
Non-Metro	304,408	4,098	18,756	25,079	22,939	20,924	21,807	57,372	49,765	30,131	22,077	18,733	10,150	2,577
FIVE-REGION SUBSTATE GROUPS:														
Front Range	1,340,815	24,803	93,059	105,760	93,093	95,614	107,431	247,999	235,837	135,529	99,624	67,458	27,754	6,854
West Slope	167,782	2,317	10,212	13,206	12,139	11,577	13,102	34,523	28,274	16,641	10,949	9,072	4,646	1,124
East Plains	67,873	816	4,264	6,141	5,648	4,520	3,939	11,247	10,165	6,748	5,865	5,021	2,732	767
San Luis Val	19,252	298	1,398	1,929	1,680	1,404	1,164	3,142	2,942	1,773	1,443	1,227	679	173
Eastern Mtns	49,501	667	2,882	3,803	3,472	3,423	3,602	8,460	8,384	4,969	3,820	3,413	2,093	513
POPULATION-BASED REGIONS:														
1 Denver	240,680	3,644	16,274	18,727	15,415	12,764	19,859	49,139	40,481	21,255	19,640	14,690	6,795	1,997
2 Jefferson	211,196	3,872	13,274	14,805	14,349	15,275	13,177	35,855	41,300	26,137	17,727	11,050	3,558	817
3 Boulder	113,771	1,702	6,706	7,602	6,944	8,242	13,053	23,166	20,706	11,723	7,088	4,346	1,989	504
4 Adams	131,534	2,618	9,932	11,650	10,590	9,369	6,823	23,332	23,289	13,723	10,890	6,446	2,421	451
5 Arapahoe	191,965	3,511	12,737	14,950	14,379	13,030	7,505	34,689	41,886	22,626	13,680	9,257	3,056	659
6 El Paso	200,681	5,166	17,865	18,468	14,054	16,634	22,032	35,799	28,380	16,458	13,069	8,642	3,329	785
7 Larimer	90,661	1,631	5,794	6,674	5,482	7,671	10,838	16,679	14,812	8,464	5,540	4,210	2,242	624
8 Pueblo	64,554	976	3,884	4,910	4,649	4,976	5,381	10,826	9,538	5,927	5,931	4,717	2,331	508
9 Weld	70,359	1,196	4,702	5,959	5,268	5,819	6,322	12,734	11,157	6,678	4,878	3,420	1,774	452
10 Northwest	66,860	943	4,310	5,733	5,262	4,434	3,924	11,493	11,905	6,926	4,927	4,242	2,163	598
11 Western	73,748	904	4,090	5,224	4,845	5,015	7,084	18,531	11,834	6,958	4,005	3,196	1,707	355
12 Eastern	67,873	816	4,264	6,141	5,648	4,520	3,939	11,247	10,165	6,748	5,865	5,021	2,732	767
13 Central	64,834	1,081	4,239	4,948	4,639	4,661	5,467	12,436	11,143	6,636	4,163	3,226	1,775	420
14 Southern	56,507	841	3,744	5,048	4,508	4,128	3,834	9,445	9,006	5,401	4,298	3,728	2,032	494

Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Table 16. Female Population by Age by County and Region: Colorado, 1989

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	1,669,038	27,601	106,958	124,396	110,896	109,271	120,292	301,014	276,874	166,971	132,983	106,240	61,551	23,991
Adams	135,607	2,440	9,590	11,176	9,992	8,629	7,599	25,454	22,841	14,086	11,654	7,379	3,616	1,151
Alamosa	6,434	118	450	592	498	540	431	1,043	1,000	563	478	401	239	81
Arapahoe	194,261	3,219	12,057	14,159	13,834	12,086	7,693	36,010	40,781	22,133	14,789	11,014	4,776	1,710
Archuleta	2,563	44	177	221	204	189	171	381	405	261	259	178	52	21
Baca	2,268	30	137	178	144	118	116	311	298	219	235	247	167	68
Bent	2,545	23	132	202	190	162	147	362	369	256	276	228	136	62
Boulder	111,028	1,665	6,356	7,237	6,634	7,855	11,367	21,502	19,461	11,459	7,277	5,362	3,385	1,468
Chaffee	6,023	87	315	382	373	437	457	873	866	573	518	551	448	143
Cheyenne	1,294	20	110	147	97	54	54	232	183	100	128	91	59	19
Clear Creek	3,472	56	264	351	302	194	87	510	804	393	231	171	81	28
Conejos	4,034	54	285	412	343	276	261	651	507	358	363	279	187	58
Costilla	1,640	18	98	141	117	94	97	289	210	163	141	157	78	37
Crowley	1,842	25	123	157	99	71	89	333	247	155	194	170	125	54
Custer	990	5	53	95	75	47	25	178	175	94	103	71	57	12
Delta	11,220	131	533	733	747	795	733	1,377	1,544	1,082	925	1,313	948	359
Denver	257,467	3,425	15,598	18,078	14,956	12,419	20,026	49,740	39,311	21,725	23,376	20,313	12,778	5,722
Dolores	762	10	49	69	61	47	45	109	106	81	80	67	29	9
Douglas	23,933	512	1,800	1,808	1,870	1,895	2,298	4,728	4,110	2,562	1,091	787	335	137
Eagle	9,610	203	768	751	577	584	1,080	2,850	1,535	693	326	162	66	15
Elbert	4,674	66	287	388	364	361	371	782	894	505	273	213	123	47
El Paso	196,476	4,919	17,102	17,228	13,654	13,771	15,937	34,890	27,987	17,964	14,579	10,632	5,711	2,102
Fremont	14,970	199	742	898	868	965	1,031	2,153	1,873	1,370	1,311	1,578	1,435	547
Garfield	13,661	215	934	1,166	997	835	832	2,470	2,419	1,291	837	809	618	238
Gilpin	1,179	27	94	95	71	57	26	170	289	157	82	60	40	11
Grand	4,261	46	259	348	323	236	304	1,016	774	416	283	160	74	22
Gunnison	5,434	84	261	342	290	619	920	1,041	814	450	286	174	102	51
Hinsdale	129	3	8	7	5	5	6	25	25	15	7	13	5	5
Huerfano	3,461	20	164	285	245	176	148	523	506	328	338	359	261	108
Jackson	708	6	32	52	54	46	31	96	140	103	74	41	26	7
Jefferson	213,405	3,664	12,701	14,119	13,862	14,515	12,899	35,807	40,731	26,066	18,292	12,815	5,814	2,120
Kiowa	853	8	52	79	58	42	41	108	91	71	139	128	17	19
Kit Carson	3,816	48	228	308	289	236	206	566	553	389	366	332	222	73
Lake	2,994	33	188	286	268	206	156	564	496	316	243	144	86	8
La Plata	15,276	284	978	1,115	900	1,127	1,249	2,982	2,434	1,421	1,041	927	575	243
Larimer	92,231	1,596	5,393	6,383	5,329	7,946	10,184	16,443	14,185	8,358	6,041	5,373	3,588	1,412
Las Animas	7,237	68	366	530	497	406	387	1,104	936	640	701	775	598	229
Lincoln	2,335	44	166	178	121	100	114	360	286	249	244	244	160	69
Logan	9,666	105	549	757	626	498	576	1,710	1,345	960	959	800	554	227
Mesa	46,560	544	2,637	3,560	3,270	2,779	2,927	7,884	7,291	4,392	3,699	3,945	2,597	1,035
Mineral	244	5	16	16	10	10	14	34	40	30	11	44	13	1
Moffat	5,260	62	342	512	481	321	123	730	1,097	645	460	261	162	64
Montezuma	8,409	110	514	706	734	598	440	1,020	1,339	904	747	709	419	169
Montrose	13,325	122	717	1,101	941	745	684	2,046	2,106	1,508	1,165	1,149	767	274
Morgan	11,450	166	775	1,000	816	619	581	1,823	1,674	1,116	1,038	930	650	262
Otero	10,953	147	668	866	757	645	666	1,600	1,476	1,075	1,011	994	729	319
Ouray	1,003	9	53	83	68	54	48	138	198	114	94	80	56	8
Park	2,947	58	204	238	231	237	182	386	654	345	204	152	42	14
Phillips	2,238	15	103	168	166	124	101	283	320	226	208	228	203	93
Pitkin	6,562	82	321	335	328	371	661	2,133	1,129	658	293	159	75	17
Prowers	6,819	105	503	668	550	409	355	1,001	1,019	647	586	528	312	136
Pueblo	68,303	883	3,666	4,722	4,575	4,804	5,422	11,290	9,212	6,462	6,606	5,831	3,588	1,242
Rio Blanco	2,583	33	184	261	223	142	94	363	428	330	244	151	98	32
Rio Grande	5,527	74	361	497	442	343	267	805	821	568	479	451	292	127
Routt	6,925	96	441	542	495	384	425	1,836	1,300	669	344	213	122	58
Saguache	1,885	30	144	188	141	100	101	268	261	166	185	165	103	33
San Juan	334	6	32	41	27	15	11	66	79	23	25	9	0	0
San Miguel	1,932	23	113	159	157	147	154	560	320	150	60	51	27	11

PLACE	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	1,478	15	62	89	106	104	83	181	183	154	165	176	122	38
Summit	6,340	91	430	463	388	348	790	2,045	1,051	430	199	77	26	2
Teller	5,528	104	383	425	379	373	385	915	1,068	603	412	306	138	37
Washington	2,403	15	116	198	187	132	99	316	349	254	277	258	144	58
Weld	72,994	1,216	4,404	5,564	4,971	6,387	7,112	12,649	10,933	6,720	5,182	4,174	2,714	968
Yuma	4,765	41	256	411	382	296	227	636	722	489	468	411	292	134
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	32,000	357	1,861	2,623	2,283	1,773	1,667	4,949	4,593	3,199	3,115	2,803	1,965	812
2	165,225	2,812	9,797	11,947	10,300	14,333	17,296	29,092	25,118	15,078	11,223	9,547	6,302	2,380
3	940,352	15,008	58,460	67,023	61,521	57,650	61,995	173,921	168,328	98,581	76,792	57,901	30,825	12,347
4	204,951	5,081	17,689	17,891	14,264	14,381	16,504	36,191	29,709	18,912	15,195	11,090	5,891	2,153
5	12,119	178	791	1,021	871	751	745	1,940	1,916	1,243	1,011	880	564	208
6	25,280	338	1,615	2,150	1,798	1,447	1,414	3,715	3,500	2,423	2,441	2,295	1,486	658
7	68,303	883	3,666	4,722	4,575	4,804	5,422	11,290	9,212	6,462	6,606	5,831	3,588	1,242
8	19,764	299	1,354	1,846	1,551	1,363	1,171	3,090	2,839	1,848	1,657	1,497	912	337
9	27,344	454	1,750	2,152	1,926	1,976	1,916	4,558	4,363	2,690	2,152	1,890	1,075	442
10	33,043	372	1,685	2,425	2,208	2,365	2,545	5,187	5,007	3,319	2,537	2,780	1,905	708
11	68,064	854	4,097	5,499	4,971	4,077	3,976	11,447	11,235	6,658	5,240	5,166	3,475	1,369
12	34,406	524	2,251	2,491	2,165	1,969	3,291	9,976	5,929	2,969	1,519	812	389	121
13	24,977	324	1,298	1,661	1,584	1,655	1,669	3,768	3,410	2,353	2,175	2,344	2,026	710
14	10,698	88	530	815	742	582	535	1,627	1,442	968	1,039	1,134	859	337
METRO/NON-METRO:														
Denver PMSA	824,673	13,260	51,746	59,340	54,514	49,544	50,515	151,739	147,774	86,572	69,202	52,308	27,319	[illegible]
Denver CMSA	935,701	14,925	58,102	66,577	61,148	57,399	61,882	173,241	167,235	98,031	76,479	57,670	30,704	[illegible]
Total Metro	1,365,705	23,539	88,667	100,474	89,677	90,307	100,537	248,513	229,552	137,535	108,887	83,680	46,305	[illegible]
Non-Metro	300,821	4,033	18,177	23,792	21,082	18,819	19,609	52,238	47,049	29,168	23,815	22,290	14,957	[illegible]
FIVE-REGION SUBSTATE GROUPS:														
Front Range	1,365,705	23,539	88,667	100,474	89,677	90,307	100,537	248,513	229,552	137,535	108,887	83,680	46,305	18,032
West Slope	162,857	2,204	9,783	12,567	11,270	10,387	11,728	31,168	26,534	15,636	11,448	10,648	6,844	2,640
East Plains	69,399	873	4,267	5,794	4,952	3,971	3,826	10,604	10,009	6,865	6,567	5,978	4,015	1,678
San Luis Val	19,764	299	1,354	1,846	1,551	1,363	1,171	3,090	2,839	1,848	1,657	1,497	912	337
Eastern Mtns	48,801	657	2,773	3,585	3,309	3,098	2,884	7,376	7,667	4,819	4,143	4,167	3,186	1,137
POPULATION-BASED REGIONS:														
1 Denver	257,467	3,425	15,598	18,078	14,956	12,419	20,026	49,740	39,311	21,725	23,376	20,313	12,778	5,722
2 Jefferson	213,405	3,664	12,701	14,119	13,862	14,515	12,899	35,807	40,731	26,066	18,292	12,815	5,814	2,120
3 Boulder	111,028	1,665	6,356	7,237	6,634	7,855	11,367	21,502	19,461	11,459	7,277	5,362	3,385	1,468
4 Adams	135,607	2,440	9,590	11,176	9,992	8,629	7,599	25,454	22,841	14,086	11,654	7,379	3,616	1,151
5 Arapahoe	194,261	3,219	12,057	14,159	13,834	12,086	7,693	36,010	40,781	22,133	14,789	11,014	4,776	1,710
6 El Paso	196,476	4,919	17,102	17,228	13,654	13,771	15,937	34,890	27,987	17,964	14,579	10,632	5,711	2,102
7 Larimer	92,231	1,596	5,393	6,383	5,329	7,946	10,134	16,443	14,185	8,358	6,041	5,373	3,588	1,412
8 Pueblo	68,303	883	3,666	4,722	4,575	4,804	5,422	11,290	9,212	6,462	6,606	5,831	3,588	1,242
9 Weld	72,994	1,216	4,404	5,564	4,971	6,387	7,112	12,649	10,933	6,720	5,182	4,174	2,714	968
10 Northwest	68,064	854	4,097	5,499	4,971	4,077	3,976	11,447	11,235	6,658	5,240	5,166	3,475	1,369
11 Western	67,449	896	3,936	4,916	4,373	4,334	5,836	15,163	10,936	6,288	4,056	3,592	2,294	829
12 Eastern	69,399	873	4,267	5,794	4,952	3,971	3,826	10,604	10,009	6,865	6,567	5,978	4,015	1,678
13 Central	62,036	1,081	4,043	4,578	4,437	4,411	4,647	10,477	10,335	6,413	4,195	3,820	2,662	937
14 Southern	57,806	841	3,634	4,813	4,219	3,921	3,622	9,275	8,644	5,506	4,848	4,521	2,846	1,116

Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs.
See inside back cover for descriptions of regions.

Table 17. Teen Population by Sex by County and Region: Colorado, 1989

	TOTAL 13-19			13-14			15-17			18-19		
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Colorado	314,838	162,210	152,625	88,890	45,535	43,354	133,901	68,981	64,918	92,047	47,694	44,353
Adams	25,950	13,483	12,464	7,950	4,114	3,835	11,321	5,935	5,385	6,679	3,434	3,244
Alamosa	1,447	705	738	401	202	198	637	305	330	409	198	210
Arapahoe	36,252	18,723	17,526	11,133	5,693	5,440	16,223	8,421	7,800	8,896	4,609	4,286
Archuleta	560	287	269	167	86	80	240	123	116	153	78	73
Baca	376	201	171	116	61	53	161	87	72	99	53	46
Bent	529	290	235	164	89	73	228	126	100	137	75	62
Boulder	21,563	11,029	10,532	5,464	2,787	2,677	8,802	4,458	4,342	7,297	3,784	3,513
Chaffee	1,260	666	591	313	158	154	538	280	256	409	228	181
Cheyenne	190	102	86	66	33	32	79	43	35	45	26	19
Clear Creek	618	310	304	217	105	110	271	137	132	130	68	62
Conejos	851	445	403	272	143	127	363	191	171	216	111	105
Costilla	277	136	137	87	43	43	118	58	58	72	35	36
Crowley	268	161	104	79	45	33	107	63	43	82	53	28
Custer	148	72	74	55	28	27	63	30	32	30	14	15
Delta	2,331	1,227	1,099	648	343	304	1,014	534	478	669	350	317
Denver	36,339	18,427	17,910	11,155	5,663	5,491	14,280	7,264	7,016	10,904	5,500	5,403
Dolores	141	66	70	45	21	23	60	28	29	36	17	18
Douglas	5,250	2,600	2,648	1,520	766	753	2,169	1,064	1,104	1,561	770	791
Eagle	1,760	954	800	476	259	216	682	365	314	602	330	270
Elbert	1,087	580	505	310	165	144	465	249	216	312	166	145
El Paso	41,215	22,170	19,041	10,807	5,536	5,270	17,343	9,283	8,058	13,065	7,351	5,713
Fremont	2,832	1,511	1,318	740	386	353	1,212	643	568	880	482	397
Garfield	2,543	1,331	1,210	777	401	375	1,084	570	513	682	360	322
Gilpin	167	82	83	48	22	26	75	36	38	44	24	19
Grand	707	347	355	240	119	119	290	145	144	177	83	92
Gunnison	1,667	910	755	283	146	136	690	368	322	694	396	297
Hinsdale	24	14	7	6	4	2	10	6	3	8	4	2
Huerfano	566	298	265	187	96	89	240	127	112	139	75	64
Jackson	144	74	67	44	22	21	63	33	29	37	19	17
Jefferson	41,257	21,113	20,140	11,464	5,838	5,625	18,150	9,310	8,838	11,643	5,965	5,677
Kiowa	134	70	63	46	25	21	56	30	26	32	15	16
Kit Carson	710	361	346	232	121	110	303	154	148	175	86	88
Lake	614	303	307	213	111	101	263	129	133	138	63	73
La Plata	3,100	1,606	1,492	754	388	365	1,348	694	653	998	524	474
Larimer	20,142	9,936	10,205	4,524	2,265	2,259	8,567	4,172	4,394	7,051	3,499	3,552
Las Animas	1,190	593	595	389	199	189	500	247	252	301	147	154
Lincoln	299	153	143	95	50	43	124	63	61	80	40	39
Logan	1,570	839	728	511	281	230	657	353	302	402	205	196
Mesa	8,394	4,367	4,024	2,582	1,336	1,245	3,558	1,864	1,693	2,254	1,167	1,086
Mineral	35	15	14	10	5	4	15	6	6	10	4	4
Moffat	1,023	520	500	373	193	179	452	231	220	198	96	101
Montezuma	1,828	941	884	586	300	286	793	411	380	449	230	218
Montrose	2,323	1,223	1,095	737	386	350	989	520	466	597	317	279
Morgan	2,020	1,097	918	662	362	299	861	471	388	497	264	231
Otero	1,983	1,049	932	612	325	287	842	448	392	529	276	253
Ouray	176	93	79	54	28	25	75	40	34	47	25	20
Park	693	358	330	191	97	93	307	159	146	195	102	91
Phillips	400	209	186	132	69	62	171	90	79	97	50	45
Pitkin	1,079	574	502	278	147	131	442	239	202	359	188	169
Prowers	1,290	678	611	433	231	202	548	289	258	309	158	151
Pueblo	13,476	6,841	6,634	3,695	1,865	1,830	5,748	2,929	2,819	4,033	2,047	1,985
Rio Blanco	452	227	222	163	81	80	192	97	94	97	49	48
Rio Grande	1,066	554	509	348	182	166	460	240	219	258	132	124
Routt	1,243	670	569	410	223	185	524	282	240	309	165	144
Saguache	337	184	150	111	60	50	143	79	62	83	45	38
San Juan	65	37	24	25	14	9	27	16	10	13	7	5
San Miguel	488	276	209	137	74	62	213	121	90	138	81	57

	TOTAL 13-19			13-14			15-17			18-19		
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Sedgwick	282	133	148	85	41	44	123	57	65	74	35	39
Summit	1,048	553	490	291	149	142	387	205	179	370	199	169
Teller	1,116	590	522	308	158	149	480	256	223	328	176	150
Washington	459	252	202	149	78	70	199	111	86	111	63	46
Weld	16,373	7,923	8,447	4,165	2,104	2,060	7,076	3,407	3,669	5,132	2,412	2,718
Yuma	921	479	440	303	158	144	396	206	189	222	115	107
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	5,652	3,009	2,622	1,842	989	849	2,407	1,288	1,109	1,403	732	664
2	36,515	17,859	18,652	8,689	4,369	4,319	15,643	7,579	8,063	12,183	5,911	6,270
3	167,396	85,767	81,607	48,951	24,988	23,957	71,291	36,625	34,655	47,154	24,154	22,995
4	43,024	23,118	19,893	11,306	5,791	5,512	18,130	9,698	8,427	13,588	7,629	5,954
5	2,286	1,196	1,080	703	369	329	971	509	460	612	318	291
6	4,580	2,449	2,116	1,450	776	669	1,942	1,043	891	1,188	630	556
7	13,476	6,841	6,634	3,695	1,865	1,830	5,748	2,929	2,819	4,033	2,047	1,985
8	4,013	2,039	1,951	1,229	635	588	1,736	879	846	1,048	525	517
9	5,694	2,937	2,739	1,577	809	763	2,468	1,272	1,188	1,649	856	788
10	7,009	3,743	3,244	1,865	981	879	2,991	1,589	1,393	2,153	1,173	972
11	12,412	6,445	5,956	3,895	2,011	1,879	5,286	2,762	2,520	3,231	1,672	1,557
12	5,981	3,172	2,783	1,739	919	814	2,388	1,269	1,108	1,854	984	861
13	4,854	2,552	2,290	1,321	683	635	2,076	1,082	989	1,457	787	666
14	1,756	891	860	576	295	278	740	374	364	440	222	218
METRO/NON-METRO:												
Denver PMSA	145,048	74,346	70,688	43,222	22,074	21,144	62,143	31,994	30,143	39,683	20,278	19,401
Denver CMSA	166,611	85,375	81,220	48,686	24,861	23,821	70,945	36,452	34,485	46,980	24,062	22,914
Total Metro	257,817	132,245	125,547	71,877	36,631	35,240	109,679	56,243	53,425	76,261	39,371	36,882
Non-Metro	56,831	29,773	26,880	16,961	8,849	8,061	24,138	12,655	11,407	15,732	8,269	7,412
FIVE-REGION SUBSTATE GROUPS:												
Front Range	257,817	132,245	125,547	71,877	36,631	35,240	109,679	56,243	53,425	76,261	39,371	36,882
Western Slope	31,096	16,297	14,722	9,076	4,720	4,335	13,133	6,892	6,209	8,887	4,685	4,178
Eastern Plains	12,518	6,654	5,818	3,995	2,134	1,847	5,320	2,840	2,460	3,203	1,680	1,511
San Luis Valley	4,013	2,039	1,951	1,229	635	588	1,736	879	846	1,048	525	517
Eastern Mtns	9,204	4,783	4,389	2,661	1,360	1,291	3,949	2,044	1,892	2,594	1,379	1,206
POPULATION-BASED REGIONS:												
1 Denver	36,339	18,427	17,910	11,155	5,663	5,491	14,280	7,264	7,016	10,904	5,500	5,403
2 Jefferson	41,257	21,113	20,140	11,464	5,838	5,625	18,150	9,310	8,838	11,643	5,965	5,677
3 Boulder	21,563	11,029	10,532	5,464	2,787	2,677	8,802	4,458	4,342	7,297	3,784	3,513
4 Adams	25,950	13,483	12,464	7,950	4,114	3,835	11,321	5,935	5,385	6,679	3,434	3,244
5 Arapahoe	36,252	18,723	17,526	11,133	5,693	5,440	16,223	8,421	7,800	8,896	4,609	4,286
6 El Paso	41,215	22,170	19,041	10,807	5,536	5,270	17,343	9,283	8,058	13,065	7,351	5,713
7 Larimer	20,142	9,936	10,205	4,524	2,265	2,259	8,567	4,172	4,394	7,051	3,499	3,552
8 Pueblo	13,476	6,841	6,634	3,695	1,865	1,830	5,748	2,929	2,819	4,033	2,047	1,985
9 Weld	16,373	7,923	8,447	4,165	2,104	2,060	7,076	3,407	3,669	5,132	2,412	2,718
10 Northwest Reg	12,412	6,445	5,956	3,895	2,011	1,879	5,286	2,762	2,520	3,231	1,672	1,557
11 Western Reg	12,990	6,915	6,027	3,604	1,900	1,693	5,379	2,858	2,501	4,007	2,157	1,833
12 Eastern Reg	12,518	6,654	5,818	3,995	2,134	1,847	5,320	2,840	2,460	3,203	1,680	1,511
13 Central Reg	12,698	6,492	6,177	3,605	1,831	1,766	5,378	2,734	2,632	3,715	1,927	1,779
14 Southern Reg	11,463	5,867	5,550	3,382	1,739	1,629	4,944	2,525	2,398	3,137	1,603	1,523

Population figures are 1989-based estimates from the Demographic Section, Colorado Departmentof Local Affairs.
See inside back cover for descriptions of regions.

Part Three. Live Births

Number of Live Births

Colorado resident live births totaled 52,697 in 1989, 649 fewer than in 1988 and 2,445 fewer than the record high of 55,142 in 1986. It was the lowest number of live births since 1981.

While the number of live births decreased by 4.4 percent between 1986 and 1989 in Colorado, births nationally increased by 7.0 percent over the same period. A record of 4,021,000 live births (preliminary figure) were estimated to have occurred in the United States in 1989.

Of total live births to Colorado women in 1989, 52,376 (99.4 percent) occurred in the state and 321 (0.6 percent) occurred out of the state. The number of babies actually born in Colorado totaled 52,964, of which 580 were to residents of other states. Figure 8 depicts the distribution of Colorado resident live births by county in 1989.

Birth Rates

Colorado's birth rate decreased to 15.9 live births per 1,000 population in 1989, down from 16.2 in 1988 and the lowest rate since a rate of 15.9 in 1978. It was the fourth consecutive annual drop in the state's birth rate.

By contrast, the preliminary U.S. birth rate was 16.2 in 1989, marking the first time since 1968 that Colorado's birth rate was lower than that of the nation as a whole. The U.S. birth rate in 1989 was at its highest point since 1971.

Table 18 compares numbers of live births and birth rates in Colorado to U.S. data for selected years between 1910 and 1989. Year-to-year percent changes in numbers of births are included. Figure 9 compares Colorado and U.S. birth rates between 1930 and 1989.

Sex of Child

A higher proportion of male births than female births is characteristic of human reproduction. In 1989, 26,913 of the total 52,697 births to Colorado residents were males, 51.1 percent of total. Female births totaled 25,784, 48.9 percent of all births. The sex ratio for Colorado births was 1,044 males per 1,000 females, compared to 1,037 males in 1988. Nationally, the sex ratio of births was 1,050 males per 1,000 females in both 1987 and 1988. U.S. data show higher proportions of male births among whites than blacks.

Place of Delivery/Certifier Type

In 1989, 98.8 percent of the 52,964 births in Colorado were delivered in hospitals or birthing centers. The figure was 99.1 percent in both 1987 and 1988. Hospital births totaled 52,316 in 1989. Home births and births occurring at addresses not belonging to medical facilities totaled 405, 0.8 percent of total. Free-standing birth centers, clinics, and other named medical facilities accounted for the remaining 243 births. It should be noted that these counts detail where births actually occurred, which may not in all cases be where mothers planned to deliver.

Doctors certified 50,781 births in Colorado in 1989, 95.9 percent of the total. Certified nurse midwives certified 1,829 of the births, 3.5 percent of the total. The proportion of nurse-midwife certified births was up from 3.0 percent in 1988, 2.1 percent in 1987, 1.9 percent in 1986, and 1.4 percent in 1985.

The remainder of 354 births were certified by others, including husbands and hospital administrators. A large majority of births are certified by the person attending at the birth.

Plurality

Plural live births, those with pregnancies of more than one child, accounted for 2.4 percent of Colorado resident live births in 1989, the highest percentage of the 1980s. Of the total 52,697 live births, 1,279 were plural births. Of these, 1,229 were twins and 41 were triplets. These figures represent live births of plural pregnancies only. One set of quadruplets and one set of quintuplets also were live born to residents of the state in 1989.

Table 19 shows plural births to Colorado residents between 1980 and 1989.

General Fertility Rates

Colorado's general fertility rate, the number of live births to women of childbearing ages, decreased to 65.3

births per 1,000 women aged 15-44 in 1989. This was its lowest point since a rate of 64.1 in 1978. The preliminary U.S. general fertility rate for 1989 was higher at 68.8

General fertility rates in the state have ranged between 64.1 and 68.6 since the mid-1970s. Substantial decreases in the early 1970s probably were associated in part with increased availability of induced termination of pregnancy. An aging population and a trend toward delayed childbearing appear to have contributed to recent decreases.

Table 21 shows general fertility rates for Colorado and the United States between 1970 and 1989. Figure 10 compares Colorado and U.S. general fertility rates during this time.

Age of Mother

The median age of Colorado women giving birth in 1989 was 26.8 years, compared with 27.0 years in 1988. The median age for mothers was 26.9 years in 1987 and 26.7 years in 1986. Mothers' median age was 25.0 years in 1989. Colorado resident women giving birth in 1989 ranged in age from 12 (3 births) to 48 years (1 birth).

Long-term increases in the median age of mothers have resulted largely from aging in the childbearing population. They also reflect increases in childbearing rates among older mothers and a greater tendency toward delayed initiation of childbearing.

However, it is also true that teen childbearing has increased in recent years in the state. The fertility rate (births per 1,000 women) of teens aged 15-19 reached a 15-year high in 1989.

Table 20 shows numbers of live births by age group of women between 1960 and 1989. Table 21 shows fertility rates by age group of women for Colorado and the United States for these years. Figures 11 and 12 compare age-specific fertility rates for Colorado and the nation between 1970 and 1989.

The greatest number of births in 1989 occurred to women aged 25-29, who gave birth to nearly a third of all babies. The modal age for Colorado women giving birth was 27 years in 1989.

Fertility rates also were highest for Colorado women aged 25-29, increasing to 117.6 births per 1,000 women, the highest rate for this age group since 1971. Fertility rates were next-highest for ages 20-24 at 106.8. Women aged 20-24 formerly had the highest fertility rates, and long-term decreases in their fertility rates are an indication of the tendency toward delayed childbearing already noted. The rate for women 20-24 was the lowest since at least 1970.

On the other hand, fertility rates in 1989 for women in their thirties were at their highest points since at least 1970. Women 39-34 gave birth at a rate of 75.5 and the rate for women aged 35-39 reached 30.0.

The teen fertility rate for ages 15-19 stood at 53.5 in 1989, its highest point since 1974. While little change has been noted over time among rates for the youngest teens (ages < 15 years), rates for ages 15-17 and 18-19 both were at their highest points since at least 1980.

When compared with U.S. rates, fertility rates for Colorado women generally are higher for women aged 25 and older and lower for women younger than 25 years.

Fertility rates by single-year age of mother can be found in Table 27.

Total Fertility Rates

Total fertility rates, presented in Table 21 for years 1970 through 1989, indicate the number of live births that 1,000 women would have if they experienced throughout their childbearing years the set of age-specific fertility rates in effect in a given year. This hypothetical measure shows the potential impact of current fertility levels by age on completed family size.

Colorado's total fertility rate was 1,947.0 per 1,000 women in 1989. This means that there would be 1,947 births per 1,000 women if the age-specific rates in 1989 remained the same over time. The rate also can be simplified to a measure of 1.9 births per individual woman.

Total fertility rates both in Colorado and the United States decreased between the early 1970s and the late 1980s, but have increased since about 1987. Colorado's general fertility rate of 1,918.8 in 1988 was slightly lower than the U.S. rate of 1,932.0 in that year, the latest for which national data are available.

Births by Race and Ethnicity of Mother

In past years, Colorado Vital Statistics tabulated birth data by race and ethnicity of child. Race of child, not a category found on the birth certificate, is calculated for statistical purposes by use of an algorithm that compares race of mother with race of father. It is possible for a child's race to differ from that of its mother in birth data.

In order to provide a more useful measure for assessing birth outcomes, this edition of the annual report contains information by race of mother. Race and ethnic birth data found here therefore differ from data in past editions. Data users wanting information by race of child should contact the Health Statistics Section.

Another change in ethnic data will be found in this report. Birth records (as well as other vital records) for 1989 were revised to record specifically if babies' mothers and fathers are of Hispanic origin. This change has improved reporting of Hispanic birth data. Because of this change, care should be used when comparing Spanish origin data in this report with data from previous years.

Race and ethnic categories found here and elsewhere in this report approximate those used in available population estimates. They are white/non-Spanish origin, white/ Spanish origin, black, native American, and Asian.

Table 22 presents numbers of live births by age and race/ ethnicity of women in Colorado in 1989. Fertility rates for selected race/ethnic groups are included. In 1989, white/non-Spanish origin mothers accounted for 75.6 percent of Colorado resident live births, 39,859 of the total 52,697 births. For simplicity's sake, these women will be referred to as white here. White/Spanish origin mothers had 8,374 births, 15.9 percent of total. These women will be referred to as Hispanic here.

Black mothers, with 2,748 births, made up 5.2 percent of women giving birth, followed by Asian mothers with 1,173 births, 2.2 percent, and native American mothers with 465 births, 0.9 percent of total. Sixteen mothers were in "other" race groups.

Minority women, excluding non-Spanish origin whites, therefore gave birth to 24.2 percent of Colorado births in 1989. Minority women were projected to account for 19.3 percent of the childbearing population (ages 15-44) in 1989.

General fertility rates for black women stood at 88.3 per 1,000 women aged 15-44 in 1989, compared with 80.9 for Hispanic women and 60.7 for white women.

Patterns of childbearing by age differ among these three race/ethnic groups. Among the youngest teens, the black rate of 3.8 births per 1,000 women aged 10-14 was over 12 times higher than the white rate of 0.3. Hispanics aged 10-14 gave birth at a rate of 1.8 in 1989.

The black rate of 121.3 for ages 15-19 was over 3 times higher than the rate of 38.4 for whites. The Hispanic fertility rate for ages 15-19 was 101.3.

Black and Hispanic fertility rates also are higher for women aged 20-24 than among whites. However, fertility rates for women aged 25 years and older tend to be at least slightly higher for white women than the two minority groups.

Total fertility rates for blacks and Hispanics exceed those for whites. In 1989, the total fertility rate for blacks in Colorado was 2,529.0 per 1,000 women. Hispanics had a total fertility rate of 2,253.5, and the rate for whites was 1,809.5. These measures indicate that 1,000 black women in Colorado would give birth to 720 more babies over their lifetimes than would 1,000 white women.

Births by Race and Ethnicity of Child

Race/ethnicity of child continues to be the conventional measure used for calculating birth and infant mortality rates. As noted earlier, race/ethnicity of child is determined for statistical purposes by use of an algorithm that compares data for mother and father.

Minority status is selected for the child if either parent is non-white. With one-fifth of all births in the state occurring to unmarried women, paternal data are not recorded on a large percentage of birth records and mother's race/ethnicity is assigned to these children by default.

White births accounted for 47,414 of the 52,697 Colorado births in 1989, 90.0 percent of total. Of these, 8,151 had Spanish surnames. Black births totaled 3,249, 6.2 percent of total. Native American births totaled 639, and 1,342 births were in other race groups, almost all being Asian. Fifty-three births had unknown race of child, meaning that race/ethnic data were not available for either parent.

Spanish origin births, independent of race, totaled 8,820 in 1989. Because of the variety of ways the topic can be approached, vital statistics users are advised to consider carefully which measures are being used in any presentation of race/ethnicity.

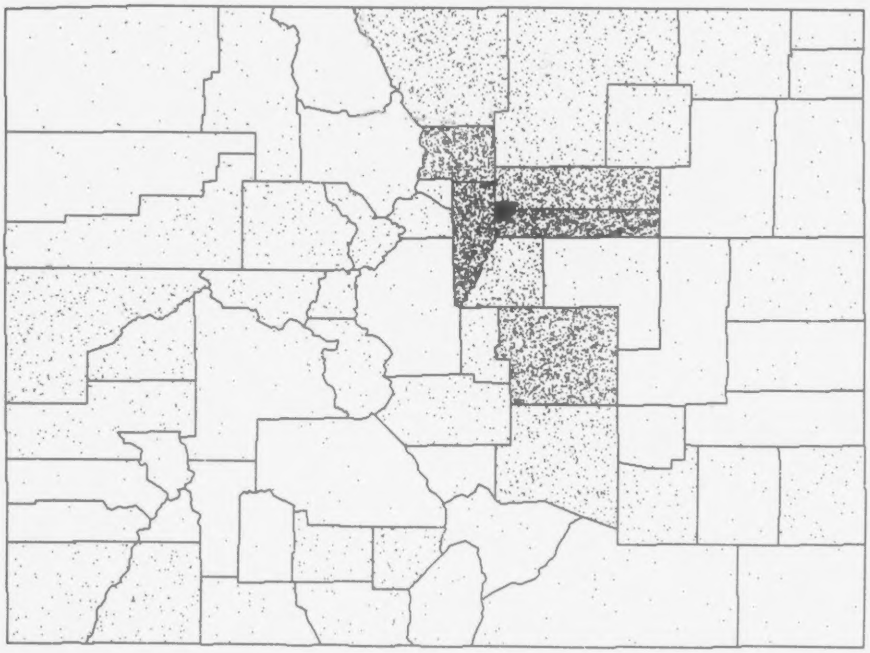
Table 18. Live Births and Birth Rates: Colorado Residents and United States Selected Years, 1910-1989

YEAR	COLORADO POPULATION	COLORADO			UNITED STATES		
		NUMBER OF BIRTHS	% CHANGE FROM PREVIOUS YEAR	RATE	NUMBER OF BIRTHS	% CHANGE FROM PREVIOUS YEAR	RATE
1910	799,024	12,164	-	15.2	2,777,000	-	-
1920	939,629	18,676	-	19.9	2,950,000	-	23.7
1930	1,037,891	18,814	-	18.1	2,618,000	-	21.3
1931	1,046,000	18,513	-1.6	17.7	2,506,000	-4.3	20.2
1932	1,051,000	17,613	-4.9	16.8	2,440,000	-2.6	19.5
1933	1,052,000	17,180	-2.5	16.3	2,307,000	-5.5	18.4
1934	1,053,000	17,849	3.9	17.0	2,396,000	3.9	19.0
1935	1,055,000	18,837	5.5	17.9	2,377,000	-0.8	18.7
1936	1,067,000	18,279	-3.0	17.1	2,355,000	-0.9	18.4
1937	1,084,000	19,504	6.7	18.0	2,413,000	2.5	18.7
1938	1,097,000	20,511	5.2	18.7	2,496,000	3.4	19.2
1939	1,112,520	20,618	0.5	18.5	2,466,000	-1.2	18.8
1940	1,123,296	21,416	3.9	19.1	2,559,000	3.8	19.4
1941	1,124,000	21,452	0.2	19.1	2,703,000	5.6	20.3
1942	1,113,000	23,337	8.8	21.0	2,989,000	10.6	22.2
1943	1,153,000	24,203	3.7	21.0	3,104,000	3.8	22.7
1944	1,137,000	23,805	-1.6	20.9	2,939,000	-5.3	21.2
1945	1,116,000	23,228	-2.4	20.8	2,858,000	-2.8	20.4
1946	1,203,000	29,176	25.6	24.3	3,411,000	19.3	24.1
1947	1,237,000	32,509	11.4	26.3	3,817,000	11.9	26.6
1948	1,263,000	32,826	1.0	26.0	3,637,000	-4.7	24.9
1949	1,295,000	32,846	0.1	25.4	3,649,000	0.3	24.5
1950	1,325,089	33,853	3.1	25.5	3,632,000	-0.5	24.1
1951	1,326,000	35,755	5.6	27.0	3,820,000	5.2	24.9
1952	1,365,000	37,137	3.9	27.2	3,909,000	2.3	25.1
1953	1,431,000	37,872	2.0	26.5	3,959,000	1.3	25.1
1954	1,493,000	38,906	2.7	26.1	4,071,000	2.8	25.3
1955	1,546,000	39,905	2.6	25.8	4,097,000	0.6	25.0
1956	1,625,000	41,553	4.1	25.6	4,210,000	2.8	25.2
1957	1,664,000	41,256	-0.7	24.8	4,300,000	2.1	25.3
1958	1,667,000	41,890	1.5	25.1	4,246,000	-1.3	24.5
1959	1,710,000	41,984	0.2	24.6	4,286,000	0.9	24.2
1960	1,753,947	42,905	2.2	24.5	4,257,850	-0.7	23.7
1961	1,840,000	44,648	4.1	24.3	4,268,326	0.2	23.3
1962	1,900,000	43,594	-2.4	22.9	4,167,362	-2.4	22.4
1963	1,940,000	42,179	-3.2	21.7	4,098,020	-1.7	21.7
1964	1,970,000	40,537	-3.9	20.6	4,027,490	-1.7	21.1
1965	1,990,000	36,851	-9.1	18.5	3,760,358	-6.6	19.4
1966	2,010,000	34,899	-5.3	17.4	3,606,274	-4.1	18.4
1967	2,050,000	35,166	0.8	17.2	3,520,959	-2.4	17.8
1968	2,120,000	36,842	4.8	17.4	3,501,564	-0.6	17.6
1969	2,170,000	39,189	6.4	18.1	3,600,206	2.8	17.9
1970	2,228,340	41,480	5.8	18.6	3,731,386	3.6	18.4
1971	2,303,608	40,360	-2.7	17.5	3,555,970	-4.7	17.2
1972	2,404,715	38,585	-4.4	16.0	3,258,411	-8.4	15.6
1973	2,495,942	38,507	-0.2	15.4	3,136,965	-3.7	14.8
1974	2,541,424	39,036	1.4	15.4	3,159,958	0.7	14.8
1975	2,586,243	40,148	2.8	15.5	3,144,198	-0.5	14.6
1976	2,632,370	40,978	2.1	15.6	3,167,788	0.8	14.6
1977	2,696,179	43,056	5.1	16.0	3,326,632	5.0	15.1
1978	2,766,843	44,063	2.3	15.9	3,333,279	0.2	15.0
1979	2,849,298	47,179	7.1	16.6	3,494,398	4.8	15.6

YEAR	COLORADO POPULATION	COLORADO NUMBER OF BIRTHS	COLORADO % CHANGE FROM PREVIOUS YEAR	COLORADO RATE	UNITED STATES NUMBER OF BIRTHS	UNITED STATES % CHANGE FROM PREVIOUS YEAR	UNITED STATES RATE
1980	2,908,294	49,716	5.4	17.1	3,612,258	3.4	15.9
1981	2,983,925	52,104	4.8	17.5	3,629,238	0.5	15.8
1982	3,071,633	54,786	5.1	17.8	3,680,537	1.4	15.9
1983	3,148,292	54,644	-0.3	17.4	3,638,933	-1.1	15.5
1984	3,189,318	54,339	-0.6	17.0	3,669,141	0.8	15.5
1985	3,232,421	55,115	1.4	17.1	3,760,561	2.5	15.8
1986	3,265,315	55,142	0.0	16.9	3,756,547	-0.1	15.6
1987	3,293,123	53,803	-2.4	16.3	3,809,394	1.4	15.7
1988	3,300,102	53,346	-0.8	16.2	3,909,510	2.6	15.9
1989	3,316,834	52,697	-1.2	15.9	4,021,000	2.9	16.2

Birth rates are live births per 1,000 population. Colorado population figures are April 1 census counts, for censual years before 1970 and midyear estimates for other years. Population figures for 1980-89 are 1989-based estimates. U.S. data are from the National Center for Health Statistics. U.S. counts for years before 1960 are adjusted for underregistration. Colorado births for years before 1937 are for Colorado occurrences. U.S. data for 1989 are provisional.

Figure 8. Number of Live Births by County of Residence: Colorado, 1989



1 dot = 5 live births.

Figure 9. Birth Rates: Colorado Residents and United States, 1930-1989

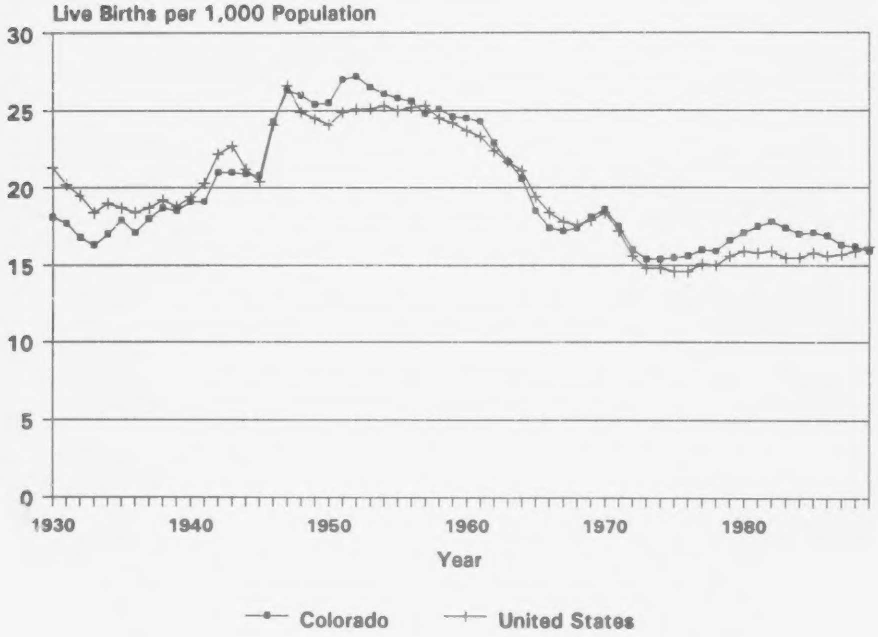


Figure 10. General Fertility Rates: Colorado Residents and United States, 1970-1989

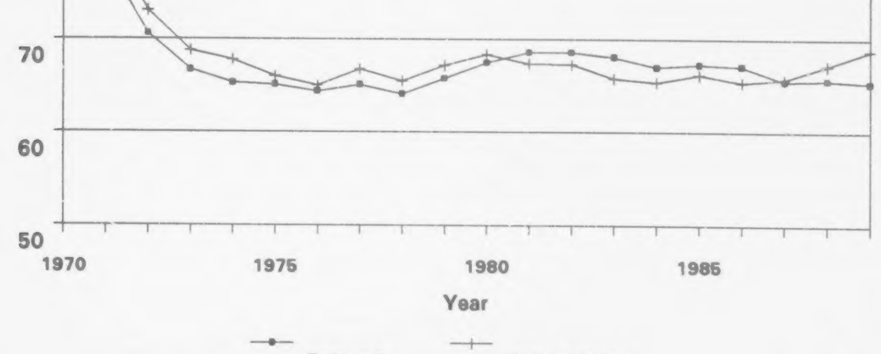


Figure 11. Fertility Rates by Age: Colorado Residents, 1970-1989

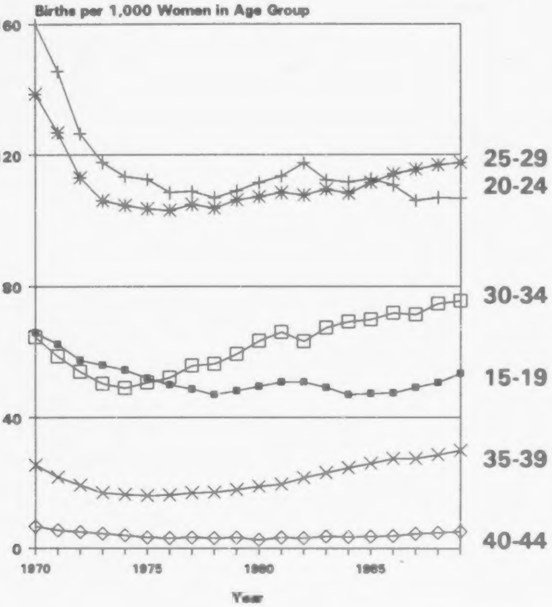


Figure 12: Fertility Rates by Age: United States, 1970-1989

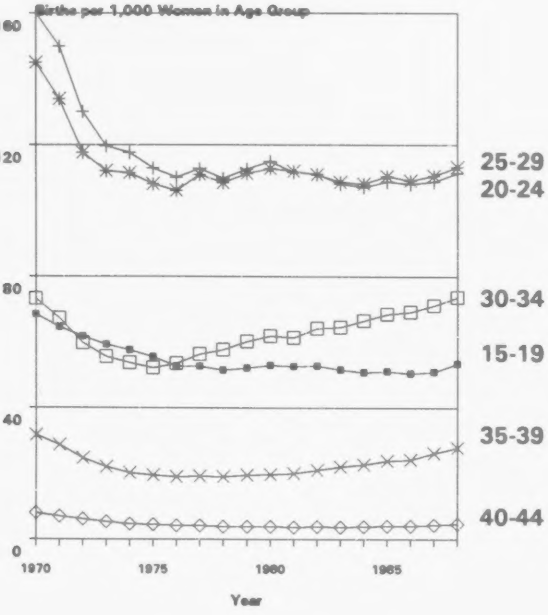


Table 19. Plural Live Births to Colorado Residents, 1980-89

	1980	1981	1982	1983	1984	1985	1986	1988	1989
Total Live Births	49,716	52,104	54,786	54,644	54,339	55,115	55,142	53,346	52,697
Single Live Births	48,771	51,199	53,730	53,546	53,178	53,949	54,069	52,209	51,418
Total Plural Live Births	945	905	1,056	1,098	1,161	1,166	1,073	1,137	1,279
Twins	915	881	1,025	1,072	1,107	1,144	1,046	1,092	1,229
Triplets	26	24	31	26	54	17	27	45	41
Quadruplets	4	0	0	0	0	0	0	0	4
Quintuplets	0	0	0	0	0	5	0	0	5
PERCENT OF TOTAL LIVE BIRTHS:									
Single Births	98.1	98.3	98.1	98.0	97.9	97.9	98.1	97.9	97.6
Total Plural Births	1.9	1.7	1.9	2.0	2.[illegible]	2.1	1.9	2.1	2.4
Twins	1.8	1.7	1.9	2.0	2.0	2.1	1.9	2.0	2.3

Counts are for live births only in plural pregnancies.

Table 20. Live Births by Age Group of Mother: Colorado Residents, 1970-1989

YEAR	TOTAL BIRTHS	13-14	15-17	18-19	13-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	41,480	▨	▨	▨	▨	43	7,132	16,436	11,329	4,441	1,631	439	24
1971	40,360	▨	▨	▨	▨	59	7,005	16,161	11,045	4,275	1,424	365	21
1972	38,585	▨	▨	▨	▨	81	6,799	14,506	11,263	4,269	1,311	332	17
1973	38,507	▨	▨	▨	▨	81	6,896	14,206	11,398	4,389	1,199	305	16
1974	39,036	▨	▨	▨	▨	76	6,846	14,145	11,973	4,518	1,195	269	11
1975	40,148	▨	▨	▨	▨	88	6,627	14,533	12,565	4,885	1,211	222	16
1976	40,978	▨	▨	▨	▨	65	6,429	14,368	13,393	5,220	1,264	221	17
1977	43,056	▨	▨	▨	▨	62	6,318	14,938	13,899	6,204	1,381	228	19
1978	44,063	▨	▨	▨	▨	75	6,144	15,167	14,309	6,620	1,505	225	13
1979	47,179	▨	▨	▨	▨	74	6,355	15,951	15,394	7,470	1,670	253	9
1980	49,716	55	2,136	4,394	6,585	57	6,530	16,642	16,081	8,349	1,842	198	12
1981	52,104	76	2,064	4,523	6,663	77	6,587	17,137	16,807	9,170	2,045	266	11
1982	54,786	59	2,034	4,463	6,556	62	6,497	17,965	17,801	9,685	2,492	268	10
1983	54,644	80	2,012	4,165	6,257	81	6,177	17,088	17,893	10,304	2,766	319	10
1984	54,339	65	1,856	3,868	5,789	66	5,724	16,541	17,655	10,879	3,121	334	11
1985	55,115	89	1,937	3,697	5,723	90	5,634	16,242	18,065	11,231	3,464	370	13
1986	55,142	82	1,953	3,609	5,644	83	5,562	15,546	18,078	11,634	3,824	404	8
1987	53,803	82	1,983	3,652	5,717	82	5,635	14,245	17,748	11,602	3,964	505	16
1988	53,346	71	1,943	3,672	5,686	71	5,615	13,474	17,254	12,060	4,265	582	21
1989	52,697	79	1,983	3,863	5,925	82	5,846	12,847	16,612	12,055	4,593	637	15

Counts may not add to total because of cases with age of mother 50 years or older or age not stated.

Table 21. General Fertility Rates, Age-Specific Fertility Rates and Total Fertility Rates: Colorado Residents and United States, 1970-1989

YEAR	GENERAL FERTILITY RATE	13-14	15-17	18-19	13-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL FERTILITY RATE
COLORADO:														
1970	84.4					0.4	65.8	160.6	138.6	64.5	25.4	6.7	0.4	2,312.0
1971	78.4					0.5	62.3	145.7	126.8	58.7	21.8	5.5	0.3	2,108.0
1972	70.6					0.7	57.6	126.5	113.1	54.1	19.3	5.0	0.3	1,883.0
1973	66.7					0.7	56.0	117.8	106.1	50.4	16.9	4.5	0.2	1,763.0
1974	65.3					0.6	54.5	113.4	104.6	49.1	16.4	4.0	0.2	1,714.0
1975	65.1					0.7	52.0	112.5	103.6	50.7	16.2	3.3	0.2	1,696.0
1976	64.4					0.5	50.0	108.5	103.1	52.2	16.3	3.2	0.3	1,670.5
1977	65.1					0.5	48.7	108.9	105.0	55.8	16.9	3.3	0.3	1,697.0
1978	64.1					0.7	47.1	107.0	103.8	56.3	17.1	3.1	0.2	1,676.5
1979	65.8					0.7	48.2	109.1	106.3	59.4	17.9	3.4	0.1	1,725.5
1980	67.5	1.2	27.9	79.5	36.9	0.5	49.5	111.5	107.2	63.4	19.0	2.6	0.2	1,770.0
1981	68.6	1.7	27.6	82.9	38.0	0.7	50.9	113.5	108.5	66.0	19.6	3.3	0.2	1,813.5
1982	68.6	1.3	27.6	82.6	37.9	0.6	50.9	117.6	107.8	63.2	21.7	3.2	0.1	1,825.5
1983	68.1	1.8	27.9	78.5	36.8	0.7	49.3	112.4	109.5	67.4	23.1	3.6	0.1	1,830.5
1984	67.0	1.5	26.4	75.2	34.9	0.6	47.0	111.7	108.2	69.2	24.6	3.5	0.1	1,825.0
1985	67.3	2.0	28.1	73.9	35.2	0.8	47.4	112.8	111.6	69.9	26.0	3.7	0.2	1,861.5
1986	67.1	1.9	28.8	73.7	35.2	0.8	47.6	110.8	114.3	71.9	27.5	3.8	0.1	1,883.5
1987	65.5	1.9	29.7	76.9	36.2	0.7	49.3	106.1	115.5	71.4	27.4	4.5	0.2	1,876.0
1988	65.6	1.6	29.7	80.8	36.9	0.6	50.7	107.0	116.9	74.6	28.6	4.9	0.2	1,918.0
1989	65.3	1.8	30.5	87.1	38.8	0.7	53.5	106.8	117.6	75.5	30.0	5.1	0.2	1,947.0
UNITED STATES:														
1970	87.9					1.2	68.4	167.8	145.1	73.3	31.7	8.1	0.5	2,480.5
1971	81.6					1.1	64.5	150.1	134.1	67.3	28.7	7.1	0.4	2,266.5
1972	73.1					1.2	61.7	130.2	117.7	59.8	24.8	6.2	0.4	2,010.0
1973	68.8					1.2	59.3	119.7	112.2	55.6	22.1	5.4	0.3	1,879.0
1974	67.8					1.2	57.5	117.7	111.5	53.8	20.2	4.8	0.3	1,835.0
1975	66.0					1.3	55.6	113.0	108.2	52.3	19.5	4.6	0.3	1,774.0
1976	65.0					1.2	52.8	110.3	106.2	53.6	19.0	4.3	0.2	1,738.0
1977	66.8					1.2	52.8	112.9	111.0	56.4	19.2	4.2	0.2	1,789.5
1978	65.5					1.2	51.5	109.9	108.5	57.8	19.0	3.9	0.2	1,760.0
1979	67.2					1.2	52.3	112.8	111.4	60.3	19.5	3.9	0.2	1,808.0
1980	68.4					1.1	53.0	115.1	112.9	61.9	19.8	3.9	0.2	1,839.5
1981	67.4					1.1	52.7	111.8	112.0	61.4	20.0	3.8	0.2	1,815.0
1982	67.3					1.1	52.9	111.3	111.0	64.2	21.1	3.9	0.2	1,828.5
1983	65.8					1.1	51.7	108.3	108.7	64.6	22.1	3.8	0.2	1,802.5
1984	65.4					1.2	50.9	107.3	108.3	66.5	22.8	3.9	0.2	1,805.5
1985	66.2					1.2	51.3	108.9	110.5	68.5	23.9	4.0	0.2	1,842.5
1986	65.4					1.3	50.6	108.2	109.2	69.3	24.3	4.1	0.2	1,836.0
1987	65.7					1.3	51.1	108.9	110.8	71.3	26.2	4.4	0.2	1,871.0
1988	67.2					1.3	53.6	111.5	113.4	73.7	27.9	4.8	0.2	1,932.0
1989	68.8					-	-	-	-	-	-	-	-	-

General fertility rates are total live births per 1,000 women aged 15-44. Age-specific fertility rates are live births per 1,000 women in each age group. Total fertility rates are the sum of the age-specific fertility rates of women in each age group, 10-14 through 45-49. Since 5-year age groups are used, the sum is multiplied by 5, with results rounded to the nearest 0.5. Total fertility rates express the number of births that would occur per 1,000 women if age-specific fertility rates for a given year were to apply throughout their childbearing years.

Table 22. Live Births and Fertility Rates by Age and Race/Ethnicity of Mother: Colorado Residents, 1989

	TOTAL	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
LIVE BIRTHS:										
Total	52,697	82	5,846	12,847	16,612	12,055	4,593	637	15	10
White/Non-Spanish Origin	39,859	25	3,227	8,797	13,156	10,222	3,900	516	11	5
White/Spanish Origin	8,374	35	1,863	2,750	2,185	1,067	389	80	3	2
Black	2,748	19	577	897	721	386	130	18	0	0
Native American	465	2	89	160	116	68	25	5	0	0
Asian	1,173	0	84	227	412	294	136	17	1	2
POPULATION:										
Total	807,451	110,896	109,271	120,292	141,272	159,742	152,956	123,918	93,084	
White/Non-Spanish Origin	656,616	84,080	83,936	93,372	112,935	132,242	128,990	105,141	78,815	
White/Spanish Origin	103,460	19,408	18,394	19,286	19,390	18,128	15,762	12,500	9,449	
Black	31,127	5,012	4,756	5,292	6,128	6,129	5,062	3,760	2,966	
FERTILITY RATES:										
Total	65.3	0.7	53.5	106.8	117.6	75.5	30.0	5.1	0.2	
White/Non-Spanish Origin	60.7	0.3	38.4	94.2	116.5	77.3	30.2	4.9	0.1	
White/Spanish Origin	80.9	1.8	101.3	142.6	112.7	58.9	24.7	6.4	0.3	
Black	88.3	3.8	121.3	169.5	117.7	63.0	25.7	4.8	0.0	

Population data are 1980-based projections from the Demographic Section, Colorado Department of Health. Rates are live births per 1,000 women in each age group. "Total" column shows total live births, population of women aged 15-44, and general fertility rates (total live births per 1,000 women aged 15-44). Some rates are based on few cases and should be viewed with caution. Counts will not add to total because of 16 live births to women reporting other races and 62 births where race/ethnicity of mother was not stated. Rates have been calculated only for the three most populous groups because of uncertain accuracy of Asian and native American population projections by age.

Age of Father

Live births by age and race/ethnicity of mother and father appear in Table 23. Paternal data shown here are incomplete because of the large (and increasing) proportion of live births to unmarried women, one-fifth of all Colorado births in 1989.

Colorado law permits report of paternal information on birth certificates only in cases when the mother was married at time of conception or delivery, a court has determined paternity, or when a child's parents have jointly requested paternal information to be added to the birth certificate.

Paternal data, therefore, are missing from 10,076 of the total 52,697 resident live births in 1989. The median age of fathers for whom information was reported was 29.7 years in 1989. Fathers' ages reported ranged from 14 to 71 years in 1989.

Of the 42,621 Colorado babies in 1989 for whom paternal data were reported, 31 percent were aged 25-29, 30 percent were aged 30-34, 15 percent were aged 35-39, and 15 percent were aged 20-24.

Live-Birth Order

Four in ten Colorado births in 1989 were first-time births for the mothers. In 1989, 21,506 births were first births, 40.9 percent of births with birth order reported. Women reporting second births totaled 17,635, one-third of births.

Third-order births totaled 8,715 (16.6 percent) and fourth-order births totaled 3,073 (5.8 percent). Women reporting 5 or more births accounted for 1,676 births in 1989, 3.2 percent of total. Little change was apparent from birth orders reported in 1988.

Greater incidence of delayed childbearing was seen among white (white/non-Spanish origin) mothers than among Hispanic and black mothers. While 40.0 percent of white mothers aged 25-29 reported having their first babies in 1989, only 22.2 percent of Hispanic mothers and 27.6 percent of black mothers reported the birth as their first. Among mothers aged 40-44, 19.6 percent of white mothers reported their first birth, compared to 7.5 percent of Hispanics and 11.8 percent of black mothers.

Larger family size also may be inferred for Hispanic and black mothers. Among mothers of all ages, 7.5 percent of white mothers reported birth orders of four or greater. A higher percentage of Hispanic mothers (14.2 percent) and black mothers (11.7 percent) reported having at least 4 live births.

The fertility rate for Colorado first-order births in 1989 was 26.6 births per 1,000 women aged 15-44. This means that about 27 out of every thousand women aged 15-44 became mothers for the first time in 1989. The state rate was slightly lower than the U.S. rate of 27.6 reported in 1988.

The second-birth fertility rate for the state was 21.8 in 1989, nearly the same as the U.S. rate of 22.0 in 1988. The third- and fourth-order rates also were nearly identical in Colorado and the nation as a whole. The third-order rate was 10.8 in Colorado and 10.9 in the nation, and the fourth-order rate was 3.8 in Colorado and 4.1 in the nation.

Table 24 shows live births by age/ethnicity of mother and live-birth order in Colorado in 1989.

Birth Weight

Low weight births (< 2,500 grams or 5 lbs 8 ozs or less) accounted for 7.8 percent of total Colorado live births in 1989, unchanged from 1988. A total of 4,087 Colorado resident live births were of low weight in 1989.

Low weight birth can involve serious and lasting health problems for infants. Prematurity, intrauterine growth retardation, or a combination of both can result in babies being born with low weights.

Colorado and U.S. low weight birth data for years between 1950 and 1989 are presented in Table 25. As this table and Figure 13 show, Colorado maintained higher proportions of low weight births throughout this period of time. Proportions of low weight birth have remained steady in the state since 1982, ranging between 7.6 and 7.9 percent of births. Nationally, low weight birth has accounted for between 6.7 and 6.9 percent of births.

In 1988, the latest year for which national data are available, Colorado was tied with New York with the 11th-highest percentage of low weight births. Colorado ranked highest in the nation in percentages of low weight among white births (by race of child) in 1988. Low weight births accounted for 7.5 percent of white births in the state in 1988, compared to 5.6 percent nationwide.

However, low weight birth occurs more frequently among black births, both in Colorado and in the nation as a whole. In 1989, 13.1 percent of black births in the state were of low weight. Nationally, 13.0 percent of black births were of low weight in 1988.

The median age of Colorado mothers of low weight babies was 26.3 years in 1989. Low weight birth also occurs more often among the oldest and youngest mothers. Table 26 shows Colorado live births by birth weight and age group of mother in 1989. Figure 14 depicts low weight birth percentages by single-year age of mother. Single-year-of-age data also appears in Table 27. The median age of Colorado mothers with low weight births in 1988 was 26.0 years.

Colorado live births with very low weights (< 1,500 grams) totaled 527 in 1989, exactly 1 percent of all births. One of every hundred Colorado babies therefore weighed less than 3 lbs 4 ozs.

Table 23. Live Births by Age and Race/Ethnicity of Mother and Age of Father: Colorado Residents, 1989

RACE AND AGE OF MOTHER	TOTAL	AGE OF FATHER <15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	UNKNOWN/ NOT STATED
ALL RACES:												
Total	52,697	1	789	6,557	13,296	12,587	6,559	2,194	472	110	56	10,076
<15	82	0	4	0	2	1	0	0	0	0	0	75
15-19	5,846	1	598	1,390	322	44	9	2	0	1	1	3,478
20-24	12,847	0	166	4,237	3,861	879	211	54	14	8	2	3,415
25-29	16,612	0	19	786	7,516	4,852	1,180	289	67	15	9	1,879
30-34	12,055	0	2	114	1,356	5,809	2,989	747	153	30	20	835
35-39	4,593	0	0	27	215	931	2,032	848	164	39	18	319
40-44	637	0	0	3	24	71	133	252	71	15	6	62
45+	15	0	0	0	0	0	4	2	3	2	0	4
Unk/Not Stated	10	0	0	0	0	0	1	0	0	0	0	9
TOTAL WHITE:												
Total	48,233	1	737	6,050	12,437	11,860	6,186	2,045	427	97	45	8,348
<15	60	0	3	0	2	1	0	0	0	0	0	54
15-19	5,090	1	562	1,278	282	36	9	2	0	1	1	2,918
20-24	11,547	0	152	3,916	3,598	808	192	50	12	7	2	2,810
25-29	15,341	0	18	722	7,068	4,545	1,095	266	58	12	8	1,549
30-34	11,289	0	2	107	1,267	5,530	2,833	687	144	26	16	677
35-39	4,289	0	0	24	197	873	1,930	798	144	35	14	274
40-44	596	0	0	3	23	67	122	240	67	14	4	56
45+	14	0	0	0	0	0	4	2	2	2	0	4
Unk/Not Stated	7	0	0	0	0	0	1	0	0	0	0	6
WHITE/NON-SPANISH ORIGIN:												
Total	39,859	0	485	4,634	10,732	10,763	5,674	1,871	369	87	36	5,208
<15	25	0	0	0	0	0	0	0	0	0	0	25
15-19	3,227	0	373	916	199	28	5	1	0	0	1	1,704
20-24	8,797	0	97	3,057	3,006	673	154	42	12	6	2	1,748
25-29	13,156	0	13	555	6,202	4,054	988	236	47	11	5	1,045
30-34	10,222	0	2	84	1,145	5,142	2,604	629	125	23	13	455
35-39	3,900	0	0	19	165	805	1,807	740	128	32	12	192
40-44	516	0	0	3	15	61	111	221	55	13	3	34
45+	11	0	0	0	0	0	4	2	2	2	0	1
Unk/Not Stated	5	0	0	0	0	0	1	0	0	0	0	4
WHITE/SPANISH ORIGIN:												
Total	8,374	1	252	1,416	1,705	1,097	512	174	58	10	9	3,140
<15	35	0	3	0	2	1	0	0	0	0	0	29
15-19	1,863	1	189	362	83	8	4	1	0	1	0	1,214
20-24	2,750	0	55	859	592	135	38	8	0	1	0	1,062
25-29	2,185	0	5	167	866	491	107	30	11	1	3	504
30-34	1,067	0	0	23	122	388	229	58	19	3	3	222
35-39	389	0	0	5	32	68	123	58	16	3	2	82
40-44	80	0	0	0	8	6	11	19	12	1	1	22
45+	3	0	0	0	0	0	0	0	0	0	0	3
Unk/Not Stated	2	0	0	0	0	0	0	0	0	0	0	2
TOTAL NON-WHITE:												
Total	4,402	0	52	503	849	716	367	137	44	13	11	1,710
<15	22	0	1	0	0	0	0	0	0	0	0	21
15-19	750	0	36	111	40	8	0	0	0	0	0	555
20-24	1,288	0	14	320	260	71	19	3	2	1	0	598
25-29	1,255	0	1	62	443	303	84	21	9	3	1	328
30-34	751	0	0	7	87	273	154	57	9	4	4	156
35-39	293	0	0	3	18	57	99	45	19	4	4	44
40-44	40	0	0	0	1	4	11	11	4	1	2	6
45+	1	0	0	0	0	0	0	0	1	0	0	0
Unk/Not Stated	2	0	0	0	0	0	0	0	0	0	0	2

RACE AND AGE OF MOTHER	TOTAL	AGE OF FATHER										UNKNOWN/ NOT STATED
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	
BLACK:												
Total	2,748	0	35	341	433	301	143	64	20	6	9	1,396
<15	19	0	0	0	0	0	0	0	0	0	0	19
15-19	577	0	26	73	11	5	0	0	0	0	0	462
20-24	897	0	9	221	132	33	8	0	2	1	0	491
25-29	721	0	0	43	240	124	31	11	5	1	1	265
30-34	386	0	0	4	43	112	64	30	5	0	3	125
35-39	130	0	0	0	7	25	36	18	7	3	3	31
40-44	18	0	0	0	0	2	4	5	1	1	2	3
45+	0	0	0	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
NATIVE AMERICAN:												
Total	465	0	12	55	79	52	30	12	4	3	1	217
<15	2	0	0	0	0	0	0	0	0	0	0	2
15-19	89	0	8	9	6	1	0	0	0	0	0	65
20-24	160	0	3	39	28	5	2	0	0	0	0	83
25-29	116	0	1	6	32	23	6	3	0	1	0	44
30-34	68	0	0	0	10	18	13	5	2	1	1	18
35-39	25	0	0	1	3	5	7	2	1	1	0	5
40-44	5	0	0	0	0	0	2	2	1	0	0	0
45+	0	0	0	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
ASIAN:												
Total	1,173	0	3	106	331	360	192	60	20	4	1	96
<15	0	0	0	0	0	0	0	0	0	0	0	0
15-19	84	0	2	29	23	2	0	0	0	0	0	28
20-24	227	0	1	59	98	33	9	3	0	0	0	24
25-29	412	0	0	13	168	155	46	7	4	1	0	18
30-34	294	0	0	3	33	142	77	21	2	3	0	13
35-39	136	0	0	2	8	26	55	25	11	0	1	8
40-44	17	0	0	0	1	2	5	4	2	0	0	3
45+	1	0	0	0	0	0	0	0	1	0	0	0
Unk/Not Stated	2	0	0	0	0	0	0	0	0	0	0	2
OTHER:												
Total	16	0	2	1	6	3	2	1	0	0	0	1
<15	1	0	1	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	0	0	0	0
20-24	4	0	1	1	2	0	0	0	0	0	0	0
25-29	6	0	0	0	3	1	1	0	0	0	0	1
30-34	3	0	0	0	1	1	0	1	0	0	0	0
35-39	2	0	0	0	0	1	1	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0
45+	0	0	0	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN/NOT STATED:												
Total	62	0	0	4	10	11	6	12	1	0	0	18
<15	6	0	0	1	0	0	0	0	0	0	0	5
15-19	12	0	0	1	3	0	0	1	0	0	0	7
20-24	16	0	0	2	5	4	1	2	0	0	0	2
25-29	15	0	0	0	2	6	2	3	0	0	0	2
30-34	11	0	0	0	0	1	3	5	1	0	0	1
35-39	1	0	0	0	0	0	0	1	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0
45+	1	0	0	0	0	0	0	0	0	0	0	1
Unk/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0

Paternal data are reported only when mother was married at time of conception or delivery except when a court has determined paternity or parents jointly have requested information to be added to the birth certificate.

Table 24. Live Births by Age and Race/Ethnicity of Mother and Live-Birth Order: Colorado Residents, 1989

		AGE OF MOTHER								
RACE OF MOTHER	TOTAL	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
All Races										
All Births	52,697	82	5,846	12,847	16,612	12,055	4,593	637	15	10
Birth Order 1	21,506	77	4,510	6,003	6,152	3,488	1,162	110	2	2
2	17,635	4	1,108	4,407	5,929	4,438	1,574	165	6	4
3	8,715	1	202	1,785	3,040	2,523	1,017	143	3	1
4	3,073	0	18	487	1,010	1,002	464	92	0	0
5+	1,676	0	4	144	456	582	358	126	4	2
Unknown/Not Stated	92	0	4	21	25	22	18	1	0	1
TOTAL WHITE:										
All Births	48,233	60	5,090	11,547	15,341	11,289	4,289	596	14	7
Birth Order 1	19,766	56	3,977	5,455	5,743	3,313	1,111	107	2	2
2	16,246	3	933	3,983	5,493	4,186	1,484	156	5	3
3	7,955	1	159	1,572	2,784	2,351	951	133	3	1
4	2,743	0	15	402	907	910	421	88	0	0
5+	1,449	0	3	116	392	512	309	112	4	1
Unknown/Not Stated	74	0	3	19	22	17	13	0	0	0
NON-SPANISH ORIGIN WHITE:										
All Births	39,859	25	3,227	8,797	13,156	10,222	3,900	516	11	5
Birth Order 1	16,739	22	2,647	4,506	5,257	3,144	1,059	101	1	2
2	13,724	2	500	2,976	4,782	3,912	1,403	144	4	1
3	6,335	1	69	1,023	2,207	2,067	850	115	2	1
4	2,040	0	7	231	661	723	347	71	0	0
5+	964	0	2	46	232	363	231	85	4	1
Unknown/Not Stated	57	0	2	15	17	13	10	0	0	0
SPANISH ORIGIN WHITE										
All Births	8,374	35	1,863	2,750	2,185	1,067	389	80	3	2
Birth Order 1	3,027	34	1,330	949	486	169	52	6	1	0
2	2,522	1	433	1,007	711	274	81	12	1	2
3	1,620	0	90	549	577	284	101	18	1	0
4	703	0	8	171	246	187	74	17	0	0
5+	485	0	1	70	160	149	78	27	0	0
Unknown/Not Stated	17	0	1	4	5	4	3	0	0	0
TOTAL NON-WHITE:										
All Births	4,402	22	750	1,288	1,255	751	293	40	1	2
Birth Order 1	1,715	21	529	542	402	169	49	3	0	0
2	1,374	1	174	419	434	248	87	9	1	1
3	749	0	42	212	252	171	63	9	0	0
4	327	0	3	85	101	91	43	4	0	0
5+	226	0	1	28	64	70	48	14	0	1
Unknown/Not Stated	11	0	1	2	2	2	3	1	0	0

RACE OF MOTHER	TOTAL	AGE OF MOTHER <15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
BLACK:										
All Births	2,748	19	577	897	721	386	130	18	0	0
Birth Order 1	1,100	18	415	370	199	76	20	2	0	0
2	833	1	124	297	254	114	39	4	0	0
3	489	0	35	154	163	103	30	4	0	0
4	204	0	2	56	67	58	20	1	0	0
5+	118	0	1	19	38	34	20	6	0	0
Unknown/Not Stated	4	0	0	1	0	1	1	1	0	0
NATIVE AMERICAN:										
All Births	465	2	89	160	116	68	25	5	0	0
Birth Order 1	146	2	65	48	20	11	0	0	0	0
2	135	0	23	56	36	18	2	0	0	0
3	93	0	1	38	37	7	8	2	0	0
4	48	0	0	15	13	12	7	1	0	0
5+	42	0	0	2	10	20	8	2	0	0
Unknown/Not Stated	1	0	0	1	0	0	0	0	0	0
ASIAN:										
All Births	1,173	0	84	227	412	294	136	17	1	2
Birth Order 1	461	0	49	121	180	81	29	1	0	0
2	400	0	27	65	141	114	46	5	1	1
3	166	0	6	20	52	61	24	3	0	0
4	74	0	1	14	21	21	15	2	0	0
5+	66	0	0	7	16	16	20	6	0	1
Unknown/Not Stated	6	0	1	0	2	1	2	0	0	0
OTHER NON-WHITE:										
All Births	16	1	0	4	6	3	2	0	0	0
Birth Order 1	8	1	0	3	3	1	0	0	0	0
2	6	0	0	1	3	2	0	0	0	0
3	1	0	0	0	0	0	1	0	0	0
4	1	0	0	0	0	0	1	0	0	0
5+	0	0	0	0	0	0	0	0	0	0
Unknown/Not Stated	0	0	0	0	0	0	0	0	0	0
RACE UNKNOWN/NOT STATED:										
All Births	62	0	6	12	16	15	11	1	0	1
Birth Order 1	25	0	4	6	7	6	2	0	0	0
2	15	0	1	5	2	4	3	0	0	0
3	11	0	1	1	4	1	3	1	0	0
4	3	0	0	0	2	1	0	0	0	0
5+	1	0	0	0	0	0	1	0	0	0
Unknown/Not Stated	7	0	0	0	1	3	2	0	0	1

This table contains information by race/ethnicity of mother. Similar tables in previous editions of this report were compiled by race/ethnicity of child and, therefore, are not comparable.

Table 25. Number and Percent of Low Weight Births: Colorado Residents and United States, 1950-1989

YEAR	TOTAL LIVE BIRTHS	COLORADO NUMBER	COLORADO PERCENT	UNITED STATES PERCENT
1950	33,853	3,574	10.6	7.6
1951	35,755	3,691	10.3	7.6
1952	37,137	3,910	10.5	7.7
1953	37,872	3,866	10.2	7.7
1954	38,906	3,931	10.1	7.5
1955	39,905	3,947	9.9	7.7
1956	41,553	4,132	9.9	7.6
1957	41,256	4,116	10.0	7.6
1958	41,890	4,379	10.5	7.7
1959	41,984	4,224	10.1	7.7
1960	42,905	4,402	10.3	7.7
1961	44,648	4,613	10.3	7.8
1962	43,594	4,587	10.5	8.0
1963	42,179	4,346	10.3	8.2
1964	40,537	4,282	10.6	8.2
1965	36,851	3,872	10.5	8.3
1966	34,899	3,728	10.7	8.3
1967	35,166	3,672	10.4	8.2
1968	36,842	3,660	9.9	8.2
1969	39,189	3,919	10.0	8.0
1970	41,480	4,002	9.6	7.9
1971	40,360	3,715	9.2	7.7
1972	38,585	3,563	9.2	7.7
1973	38,507	3,568	9.3	7.6
1974	39,036	3,496	9.0	7.4
1975	40,148	3,622	9.0	7.4
1976	40,978	3,616	8.8	7.3
1977	43,056	3,570	8.3	7.1
1978	44,063	3,617	8.2	7.1
1979	47,179	3,855	8.2	6.9
1980	49,716	4,090	8.2	6.8
1981	52,104	4,167	8.0	6.8
1982	54,786	4,220	7.7	6.8
1983	54,644	4,339	7.9	6.8
1984	54,339	4,141	7.6	6.7
1985	55,115	4,257	7.7	6.8
1986	55,142	4,255	7.7	6.8
1987	53,803	4,265	7.9	6.9
1988	53,346	4,184	7.8	6.9
1989	52,697	4,087	7.8	-

The definition of low weight birth changed in 1979 from 2,500 grams or less to less than 2,500 grams. U.S. data are from the National Center for Health Statistics.

Figure 13. Percentage of Low Weight Births: Colorado and United States, 1950-1989

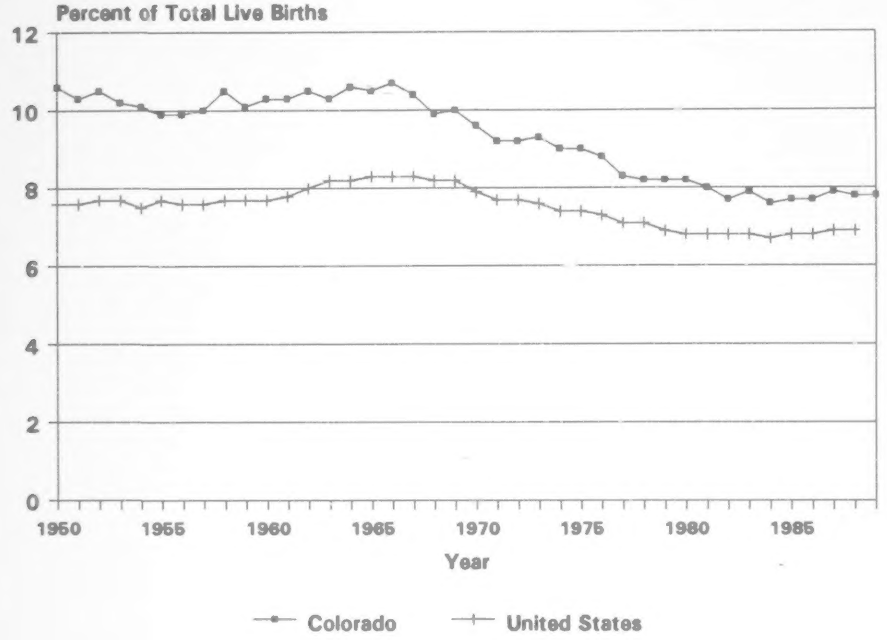


Figure 14. Percentage of Low Weight Births by Single-Year Age of Mother: Colorado Residents, 1989

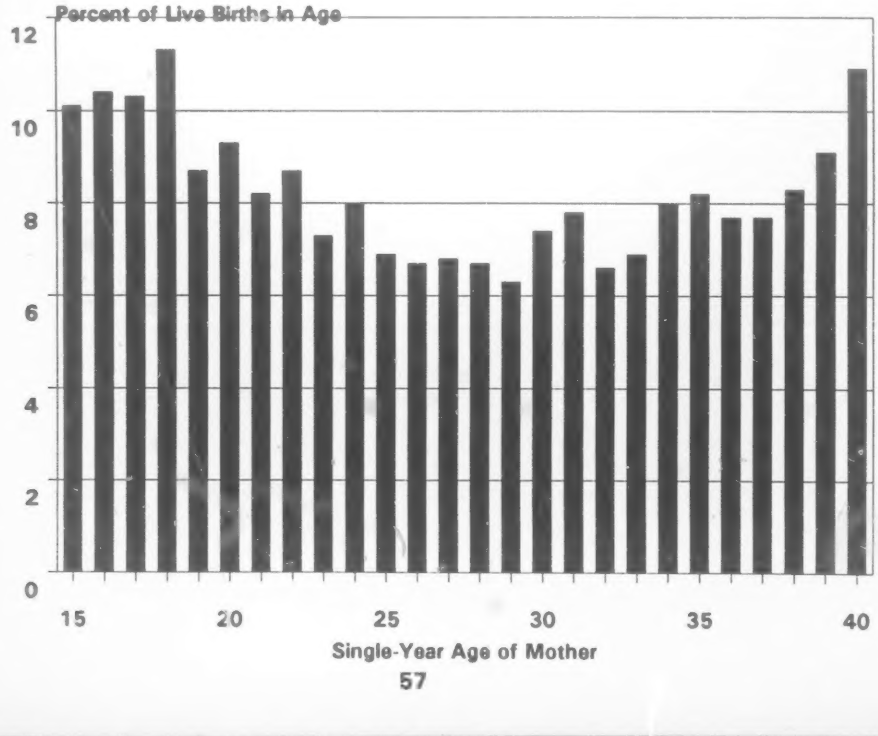


Table 26. Live Births by Birth Weight and Age of Mother: Colorado Residents, 1989

BIRTH WEIGHT (GRAMS)	TOTAL	13-14	15-17	18-19	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
NUMBER:													
Total	52,697	79	1,983	3,863	82	5,846	12,847	16,612	12,055	4,593	637	15	10
<500	48	0	2	2	0	4	16	14	11	3	0	0	0
500-999	187	1	10	23	1	33	54	38	35	22	2	1	1
1,000-1,499	292	2	14	32	2	46	81	79	63	16	4	0	1
1,500-1,999	715	3	36	77	3	113	165	174	173	70	17	0	0
2,000-2,499	2,845	7	142	247	8	389	745	806	604	260	31	2	0
2,500-2,999	10,940	25	536	966	26	1,502	2,863	3,356	2,255	809	125	3	1
3,000-3,499	21,322	26	843	1,600	26	2,443	5,255	6,844	4,703	1,809	233	5	4
3,500-3,999	12,948	11	342	769	11	1,111	2,986	4,154	3,289	1,235	158	3	1
4,000-4,499	2,964	4	51	126	5	177	598	1,009	799	315	60	1	0
4,500-4,999	396	0	7	19	0	26	77	126	110	50	7	0	0
5,000+	23	0	0	2	0	2	3	7	7	4	0	0	0
Unknown/Not Stated	17	0	0	0	0	0	4	5	6	0	0	0	2
Very Low Weight, <1,500	527	3	26	57	3	83	151	131	109	41	6	1	2
Total Low Weight, <2,500	4,087	13	204	381	14	585	1,061	1,111	886	371	54	3	2
PERCENT:													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
500-999	0.4	1.3	0.5	0.6	1.2	0.6	0.4	0.2	0.3	0.5	0.3	6.7	10.0
1,000-1,499	0.6	2.5	0.7	0.8	2.4	0.8	0.6	0.5	0.5	0.3	0.6	0.0	10.0
1,500-1,999	1.4	3.8	1.8	2.0	3.7	1.9	1.3	1.0	1.4	1.5	2.7	0.0	0.0
2,000-2,499	5.4	8.9	7.2	6.4	9.8	6.7	5.8	4.9	5.0	5.7	4.9	13.3	0.0
2,500-2,999	20.8	31.6	27.0	25.0	31.7	25.7	22.3	20.2	18.7	17.6	19.6	20.0	10.0
3,000-3,499	40.5	32.9	42.5	41.4	31.7	41.8	40.9	41.2	39.0	39.4	36.6	33.3	40.0
3,500-3,999	24.6	13.9	17.2	19.9	13.4	19.0	23.2	25.0	27.3	26.9	24.8	20.0	10.0
4,000-4,499	5.6	5.1	2.6	3.3	6.1	3.0	4.7	6.1	6.6	6.9	9.4	6.7	0.0
4,500-4,999	0.8	0.0	0.4	0.5	0.0	0.4	0.6	0.8	0.9	1.1	1.1	0.0	0.0
5,000+	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Unknown/Not Stated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
Very Low Weight, <1,500	1.0	3.8	1.3	1.5	3.7	1.4	1.2	0.8	0.9	0.9	0.9	6.7	20.0
Total Low Weight, <2,500	7.8	16.5	10.3	9.9	17.1	10.0	8.3	6.7	7.3	8.1	8.5	20.0	20.0

See page 270 for a table converting metric weights into pounds and ounces.

Table 27. Live Births, Low Weight Births, and Births to Unmarried Women by Single-Year Age of Mother: Colorado Residents, 1989

AGE OF MOTHER	POPULATION OF WOMEN	TOTAL LIVE BIRTHS		LOW WEIGHT BIRTHS		BIRTHS TO UNMARRIED WOMEN	
		NUMBER	FERTILITY RATE	NUMBER	PERCENT	NUMBER	PERCENT
Total	807,451	52,697	65.3	4,087	7.8	10,787	20.5
12	22,015	3	0.1	1	33.3	3	100.0
13	21,735	15	0.7	7	46.7	14	93.3
14	21,619	64	3.0	6	9.4	62	96.9
15	21,581	267	12.4	27	10.1	239	89.5
16	21,601	598	27.7	62	10.4	504	84.3
17	21,736	1,118	51.4	115	10.3	843	75.4
18	21,992	1,678	76.3	190	11.3	1,066	63.5
19	22,361	2,185	97.7	191	8.7	1,176	53.8
20	22,793	2,349	103.1	218	9.3	980	41.7
21	23,297	2,389	102.5	196	8.2	818	34.2
22	23,932	2,530	105.7	220	8.7	699	27.6
23	24,699	2,682	108.6	196	7.3	602	22.4
24	25,571	2,897	113.3	231	8.0	515	17.8
25	26,449	3,151	119.1	217	6.9	494	15.7
26	27,313	3,323	121.7	222	6.7	428	12.9
27	28,225	3,452	122.3	236	6.8	431	12.5
28	29,173	3,375	115.7	226	6.7	336	10.0
29	30,112	3,311	110.0	210	6.3	292	8.8
30	31,021	3,022	97.4	225	7.4	230	7.6
31	31,791	2,665	83.8	207	7.8	204	7.7
32	32,274	2,512	77.8	167	6.6	172	6.8
33	32,416	2,076	64.0	144	6.9	133	6.4
34	32,240	1,780	55.2	143	8.0	130	7.3
35	31,936	1,462	45.8	120	8.2	113	7.7
36	31,527	1,179	37.4	91	7.7	87	7.4
37	30,853	904	29.3	70	7.7	72	8.0
38	29,907	629	21.0	52	8.3	52	8.3
39	28,733	419	14.6	38	9.1	27	6.4
40	27,441	284	10.3	31	10.9	22	7.7
41	26,111	179	6.9	16	8.9	23	12.8
42	24,766	110	4.4	3	2.7	9	8.2
43	23,442	47	2.0	4	8.5	6	12.8
44	22,158	17	0.8	0	0.0	1	5.9
45	20,864	10	0.5	2	20.0	3	30.0
46	19,594	0	0.0	0	-	0	-
47	18,454	4	0.2	1	25.0	0	0.0
48	17,474	1	0.1	0	0.0	0	0.0
49	16,648	0	0.0	0	-	0	-
50+		0	-	0	-	0	-
Unknown/Not Stated		10	-	2	20.0	1	10.0

Total population is sum of populations aged 15-44. Population figures are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs. Conventions used in inferring marital status may result in a few cases being miscategorized.

Length of Gestation

Clinical estimates of gestation were added to the birth certificate in 1989. Calculated gestations are measured from the last normal menses reported, providing a uniformly applied measurement. However, users of calculated gestations also must contend with missing cases and improbable estimates that result from the last menses reported.

Preterm births, those with less than 37 completed weeks of gestation (clinical estimate), accounted for 7.6 percent of Colorado live births in 1989. Over one-half of low weight births (56.6 percent of births with clinical estimate reported) were preterm deliveries.

Table 28 compares clinical and calculated estimates of gestation by birth weight. Figure 15 contrasts clinical and calculated gestation estimates in 1989. As these data show, calculated measures tend to result in higher estimates of births in gestations 32-35 weeks and 41+ weeks. Calculated measures also have greater numbers of missing cases. Calculated gestations can be expected to add about two weeks to the actual gestational age because of being measured from menses rather than conception.

National data, available through 1988, are based on calculated estimates of gestation. In 1988, 10.2 percent of U.S. births were calculated as being preterm, compared with 8.4 percent of Colorado live births in 1989. Lower percentages of preterm deliveries in Colorado over time are notable when compared to the state's higher incidence of low weight birth.

Prenatal Care

The proportion of mothers receiving prenatal care in the first trimester (three months) decreased slightly to 76.4 percent of resident births in 1989 from 77.7 percent the previous year. First-trimester care was at its lowest point since a rate of 76.3 percent in 1982. However, changes in percentages may in part reflect better reporting of prenatal care for mothers initiating care later in their pregnancies.

Reporting of first-trimester care has remained relatively stable over time, ranging from between 76.2 to 79.0 percent of births in Colorado since 1977. In the nation as a whole, first-trimester care has been reported for 76 percent of births in each year since 1979 (except 1984 with 77 percent). Figure 16 shows percent distribution of trimester care began for Colorado births between 1975 and 1989.

Prenatal care starting in the second trimester was reported for 18.1 percent of Colorado mothers in 1989, compared to 18.0 percent in the United States in 1988, the most recent year for which data are available. Third trimester care in the state was at 4.4 percent, also nearly the same as the 4.2 percent of births in the nation in 1988.

The proportion of Colorado births with no prenatal care or care only at delivery was 1.1 percent in 1989. U.S. births with no care reported accounted for 1.9 percent of total in 1988.

Delayed initiation of prenatal care occurs more frequently among the youngest and oldest mothers. In 1989, 12.6 percent of teen mothers younger than age 20 had late (third trimester) or no prenatal care. Only about half of teen mothers obtained prenatal care in their first trimesters.

By comparison, 86.5 percent of Colorado mothers in their thirties received first trimester care in 1989. Table 29 shows month and trimester prenatal care began by age of mother for 1989. Figure 17 depicts differences in start of care by age of mother.

Late care is reported more frequently for unmarried women than for married mothers. In 1989, only 51.8 percent of births to unmarried women (5,512 of a total 10,643 with the information reported) in Colorado had first-trimester care. Second-trimester care was reported for 35.2 percent (3,745 births) of births to unmarried women, and third-trimester care was reported for 10.0 (1,062) percent of these births. Three percent (324 births) of births to unmarried women had no care or care only at delivery.

Differences in initiation of prenatal care exist by race/ethnicity of mother. In 1989, 59.5 percent of Hispanic mothers and 62.9 percent of black mothers started care in the first trimester. By comparison, 81.9 percent of white mothers and 74.4 percent of Asian mothers had first-trimester care. One in five (19.2 percent) Hispanic mothers had late or no care, compared to 17.2 percent of black mothers, 11.6 percent of Asian mothers, and 7.3 percent of white mothers. Figure 18 shows prenatal care by race/ethnicity of mothers.

Another measure of prenatal care is the number of prenatal visits. Prenatal visits reported by age of mother appear in Table 30. Table 31 shows number of prenatal visits by month care began.

The American College of Obstetricians and Gynecologists recommends an optimum of approximately 13 prenatal visits during a normal full-term pregnancy.

About a third of Colorado births annually have 13 or more visits reported. In 1989, 33.8 percent of births had 13 prenatal visits, compared to 32.9 percent in 1988. An additional 19.0 percent of births had 12 visits reported in 1989. Nationally, 29.9 percent of births had at least 13 prenatal visits reported in 1988.

No visits at all were reported for 1.3 percent of Colorado births in 1989. As with initiation of care, the youngest mothers had the fewest prenatal visits reported.

Changes in start of prenatal care over time in Colorado can be seen in Table 32, which shows trimester care began between 1975 and 1989.

Education of Mother

In 1989, 82.5 percent of Colorado mothers who reported educational attainment were high school graduates (12 or more years) or had more advanced educations. Almost no change in the proportion of high school graduates giving birth has been seen in the state since 1983. Eighty percent of U.S. mothers were high school graduates in 1988.

Differences between educational level of Colorado and U.S. mothers are more obvious among college graduates. Twenty-three percent of Colorado mothers were college graduates (16 or more years of education) in 1989, compared to 17.6 percent of mothers nationally.

Considerable difference can be seen in educational status by race/ethnicity of mother. Educations of at least 12 years were reported by 89.0 percent of white mothers (non-Spanish origin), 54.0 percent of Hispanic mothers, 77.8 percent of black mothers, and 80.7 percent of Asian mothers.

Lower educational levels for some groups are not explainable by higher teen fertility rates alone. Among mothers aged 20 years and older, 62.0 percent of Hispanic mothers, 87.5 percent of black mothers, and 93.0 percent of white mothers had at least 12 years of education.

Table 33 shows live births by age, education and race/ethnicity of mother for Colorado births in 1989. Versions of this table in previous annual reports contained information by race of child.

Births to Unmarried Women

As in almost every year since the mid-1950s, births to unmarried women increased to a new record high in 1989, accounting for 20.5 percent of Colorado resident live births. A total of 10,787 births in the state were to unmarried women.

Nationally, rates of births to unmarried women have exceeded those for Colorado in each year since 1967. One-fourth (25.7 percent) of all U.S. births were to unmarried women in 1988. Table 34 shows percentages of U.S. and Colorado births to unmarried women between 1930 and 1989. State and national data for years since 1940 also are compared in Figure 19.

Over half of all babies born to black Colorado mothers in 1989 were to unmarried women, 53.3 percent of total. Rates for native American mothers was almost as high at 51.6 percent, followed by Hispanic mothers at 40.9 percent, whites at 13.9 percent, and Asians at 7.8 percent.

The median age of unmarried Colorado mothers giving birth in 1989 was 21.1 years. Table 27 earlier in this section has shown births to unmarried women by single-year age of mother in 1989. Table 35 presents live births and births to unmarried women by race/ethnicity and age group of mother. Percentages of births to unmarried women are highest among the youngest mothers, decreasing with each year of age until the mid-30s and then increasing slightly among older mothers. The median age of unmarried Colorado mothers giving birth in 1988 was 21.0 years, compared to 27.0 years for all births.

Percentages of births to unmarried women are higher for blacks and Hispanic mothers in all age groups than among whites. Among mothers aged 30-34, for whom rates for total births were lowest at 7.2 percent in 1989, rates for whites were 4.7 percent. Unmarried mothers, however, accounted for nearly a third (31.6 percent) of births to black women and 22.0 percent of births to Hispanic women aged 30-34.

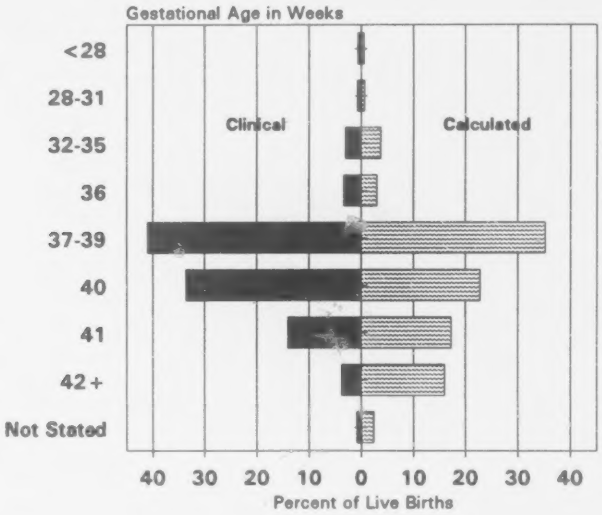
Users should note that previous editions of this report presented data on mother's marital status by race/ethnicity of child rather than of mother.

Table 28. Live Births by Period of Gestation and Birth Weight: Colorado Residents, 1989

BIRTH WEIGHT IN GRAMS	TOTAL LIVE BIRTHS	GESTATION PERIOD <28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42+ WEEKS	UNKNOWN/ NOT STATED
CLINICAL ESTIMATE OF GESTATION:										
Total	52,697	311	367	1,591	1,711	21,450	17,539	7,370	1,934	424
<500	48	46	0	0	0	1	1	0	0	0
500-999	187	146	33	3	2	1	0	0	0	2
1,000-1,499	292	62	144	70	7	7	0	0	0	2
1,500-1,999	715	14	136	370	65	105	16	2	2	5
2,000-2,499	2,845	4	17	693	481	1,263	260	80	21	26
2,500-2,999	10,940	10	13	342	795	6,115	2,614	776	195	80
3,000-3,499	21,322	11	16	91	310	9,244	7,881	2,932	678	159
3,500-3,999	12,948	11	7	17	41	3,954	5,361	2,714	732	111
4,000-4,499	2,964	0	0	3	10	681	1,235	757	251	27
4,500-4,999	396	0	0	2	0	74	159	101	53	7
5,000+	23	1	0	0	0	4	10	7	1	0
Unknown/Not Stated	17	6	1	0	0	1	2	1	1	5
Very Low Weight Births (<1,500 grams)	527	254	177	73	9	9	1	0	0	4
Low Weight Birth (<2,500 grams)	4,087	272	330	1,136	555	1,377	277	82	23	35
CALCULATED ESTIMATE OF GESTATION:										
Total	52,697	321	394	2,008	1,607	18,121	11,759	8,882	8,273	1,332
<500	48	41	1	0	0	0	1	1	1	3
500-999	187	127	34	9	2	1	0	1	3	10
1,000-1,499	292	32	126	68	3	25	8	2	7	21
1,500-1,999	715	17	93	305	69	140	19	21	26	25
2,000-2,499	2,845	12	28	546	349	1,151	261	165	246	87
2,500-2,999	10,940	43	51	517	612	5,014	2,005	1,152	1,268	278
3,000-3,499	21,322	25	40	397	403	7,589	5,207	3,715	3,398	548
3,500-3,999	12,948	18	18	138	135	3,511	3,374	2,932	2,545	277
4,000-4,499	2,964	1	1	25	29	611	792	767	672	66
4,500-4,999	396	1	0	3	5	76	85	115	102	9
5,000+	23	0	1	0	0	2	6	10	3	1
Unknown/Not Stated	17	4	1	0	0	1	1	1	2	7
Very Low Weight Births (<1,500 grams)	527	200	161	77	5	26	9	4	11	34
Low Weight Birth (<2,500 grams)	4,087	229	282	928	423	1,317	289	190	283	146

Calculated estimates of gestation are based on last normal menses reported. A table on page 270 shows conversion of metric weights into pounds and ounces.

Figure 15. Gestational Ages from Birth Records, Clinical and Calculated Estimates: Colorado Residents, 1989



Calculated estimates are based on last normal menses reported.

Figure 16. Percent Distribution of Trimester Prenatal Care Began: Colorado Residents, 1975-1989

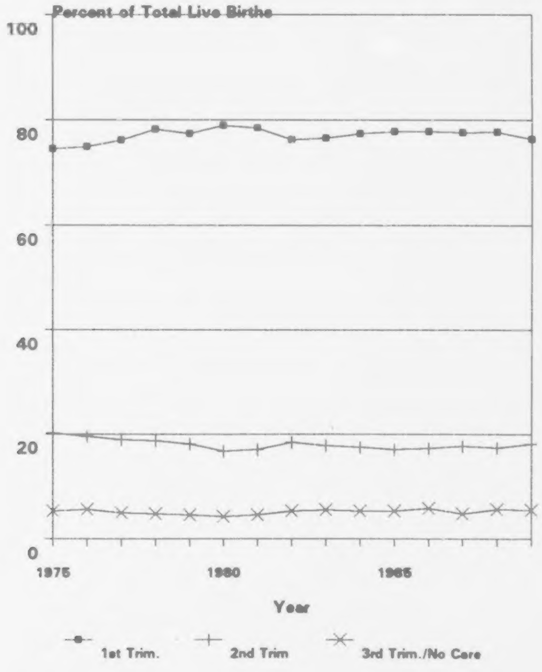


Table 29. Month and Trimester Prenatal Care Began by Age of Mother: Colorado Residents, 1989

		AGE OF MOTHER												UNKNOWN NOT/ STATED
	TOTAL	13-14	15-17	18-19	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+		
NUMBERS OF BIRTHS:														
Total	52,697	79	1,983	3,863	82	5,846	12,847	16,612	12,055	4,593	637	15		10
Month Care Began														
First	8,713	5	92	275	5	367	1,516	3,023	2,577	1,087	137	1		0
Second	20,528	15	377	907	15	1,284	4,301	7,246	5,426	2,010	239	5		2
Third	10,698	16	418	856	16	1,274	2,732	3,320	2,345	869	136	4		2
Fourth	4,714	8	335	576	9	911	1,479	1,227	760	280	45	2		1
Fifth	2,862	12	263	446	13	709	967	657	372	112	31	0		1
Sixth	1,891	9	201	293	9	494	679	413	196	80	18	2		0
Seventh	1,239	2	122	193	2	315	471	265	138	36	11	0		1
Eighth	729	5	69	114	5	183	259	160	71	43	8	0		0
Ninth	323	0	27	63	0	90	111	71	33	16	2	0		0
TRIMESTER CARE BEGAN:														
First Trimester	39,939	36	887	2,038	36	2,925	8,549	13,589	10,348	3,966	512	10		4
Second Trimester	9,467	29	799	1,315	31	2,114	3,125	2,297	1,328	472	94	4		2
Third Trimester	2,291	7	218	370	7	588	841	496	242	95	21	0		1
No Care/Care Only at Delivery	586	3	53	84	3	137	219	123	69	26	7	1		1
Unknown/Not Stated	414	4	26	56	5	82	113	107	68	34	3	0		2
PERCENT OF BIRTHS:														
Month Care Began														
First	16.7	6.7	4.7	7.2	6.5	6.4	11.9	18.3	21.5	23.8	21.6	6.7		0.0
Second	39.3	20.0	19.3	23.8	19.5	22.3	33.8	43.9	45.3	44.1	37.7	33.3		25.0
Third	20.5	21.3	21.4	22.5	20.8	22.1	21.5	20.1	19.6	19.1	21.5	26.7		25.0
Fourth	9.0	10.7	17.1	15.1	11.7	15.8	11.6	7.4	6.3	6.1	7.1	13.3		12.5
Fifth	5.5	16.0	13.4	11.7	16.9	12.3	7.6	4.0	3.1	2.5	4.9	0.0		12.5
Sixth	3.6	12.0	10.3	7.7	11.7	8.6	5.3	2.5	1.6	1.8	2.8	13.3		0.0
Seventh	2.4	2.7	6.2	5.1	2.6	5.5	3.7	1.6	1.2	0.8	1.7	0.0		12.5
Eighth	1.4	6.7	3.5	3.0	6.5	3.2	2.0	1.0	0.6	0.9	1.3	0.0		0.0
Ninth	0.6	0.0	1.4	1.7	0.0	1.6	0.9	0.4	0.3	0.4	0.3	0.0		0.0
TRIMESTER CARE BEGAN:														
First Trimester	76.4	48.0	45.3	53.5	46.8	50.7	67.1	82.3	86.3	87.0	80.8	66.7		50.0
Second Trimester	18.1	38.7	40.8	34.5	40.3	36.7	24.5	13.9	11.1	10.4	14.8	26.7		25.0
Third Trimester	4.4	9.3	11.1	9.7	9.1	10.2	6.6	3.0	2.0	2.1	3.3	0.0		12.5
No Care/Care Only at Delivery	1.1	4.0	2.7	2.2	3.9	2.4	1.7	0.7	0.6	0.6	1.1	6.7		12.5

A trimester is a three-month period of time. Percentages exclude cases with start of prenatal care unknown or not stated.

Figure 17. Percent Distribution of Trimester Care Began by Age of Mother Colorado Residents, 1989

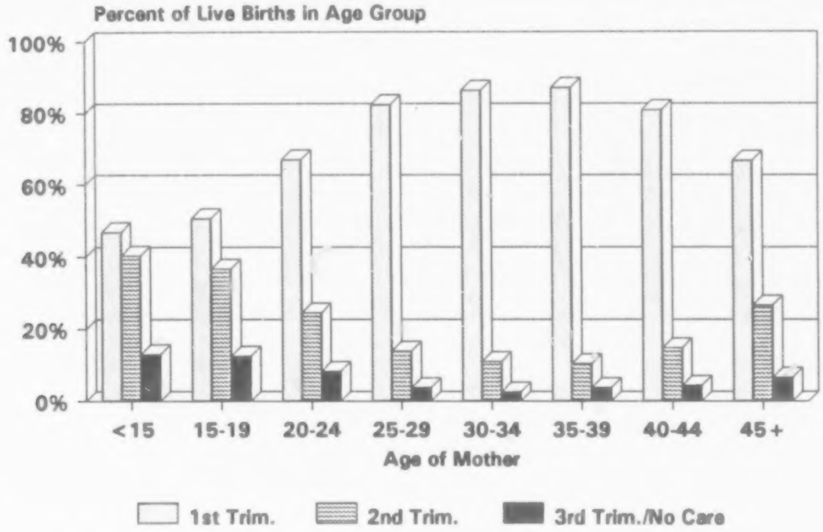
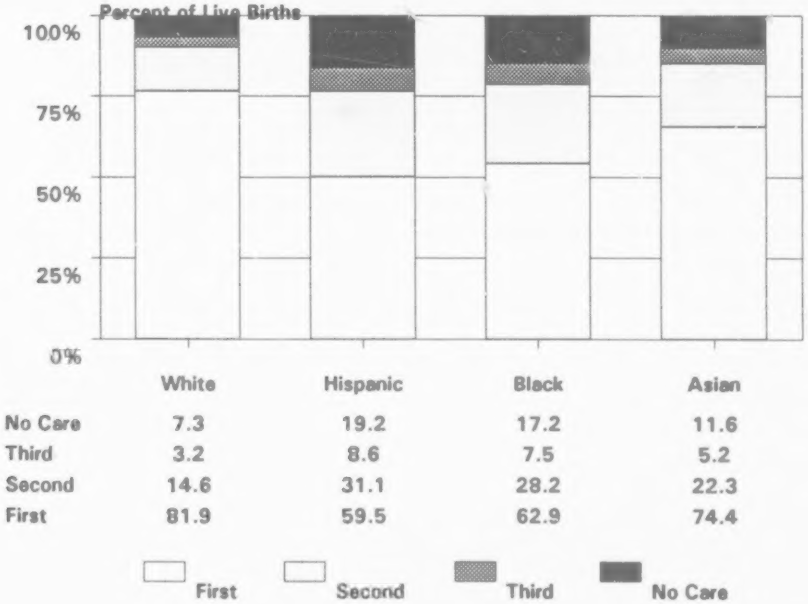


Figure 18. Trimester Prenatal Care Began by Race/Ethnicity of Mother: Colorado Residents, 1989



	White	Hispanic	Black	Asian
No Care	7.3	19.2	17.2	11.6
Third	3.2	8.6	7.5	5.2
Second	14.6	31.1	28.2	22.3
First	81.9	59.5	62.9	74.4

Table 30. Prenatal Visits by Age of Mother: Colorado Residents, 1989

NUMBER OF VISITS	TOTAL	13-14	15-17	18-19	AGE OF MOTHER <15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
Total	52,697	79	1,983	3,863	82	5,846	12,847	16,612	12,055	4,593	637	15	10
No Visits	688	7	57	99	8	156	256	148	78	32	8	1	1
1	302	1	27	55	1	82	98	70	36	12	3	0	0
2	576	0	56	92	0	148	195	149	57	23	4	0	0
3	703	3	72	102	3	174	279	141	73	26	6	0	1
4	931	2	72	147	2	219	318	211	123	47	11	0	0
5	1,218	6	90	173	6	263	436	290	160	50	12	1	0
6	1,663	6	126	235	6	361	528	418	250	75	24	0	1
7	1,944	6	137	234	6	371	579	508	344	113	22	0	1
8	2,848	6	174	307	6	481	787	785	556	204	27	1	1
9	3,013	4	138	269	4	407	791	879	649	243	36	3	1
10	6,225	9	269	523	9	792	1,522	1,893	1,385	545	77	2	0
11	4,572	2	153	263	2	416	1,137	1,535	1,030	386	62	4	0
12	9,918	8	220	503	9	723	2,076	3,461	2,609	925	113	0	2
13	3,356	5	74	170	5	244	802	1,153	793	320	39	0	0
14	4,582	4	100	189	4	289	871	1,583	1,305	479	50	1	0
15	4,644	4	79	192	4	271	929	1,553	1,290	522	75	0	0
16	1,468	0	38	78	0	116	324	521	333	161	13	0	0
17	668	1	24	34	1	58	158	211	169	62	9	0	0
18	705	1	13	35	1	48	145	260	179	64	8	0	0
19+	2,209	4	36	115	5	151	508	705	550	255	33	2	0
Unknown/ Not Stated	464	0	28	48	0	76	108	138	86	49	5	0	2
NUMBER OF VISITS:													
No Visits	688	7	57	99	8	156	256	148	78	32	8	1	1
1-2	878	1	83	147	1	230	293	219	93	35	7	0	0
3-4	1,634	5	144	249	5	393	597	352	196	73	17	0	1
5-6	2,881	12	216	408	12	624	964	708	410	125	36	1	1
7-8	4,792	12	311	541	12	852	1,366	1,293	900	317	49	1	2
9-10	9,238	13	407	792	13	1,199	2,313	2,772	2,034	788	113	5	1
11-12	14,490	10	373	766	11	1,139	3,213	4,996	3,639	1,311	175	4	2
13-14	7,938	9	174	359	9	533	1,673	2,736	2,098	799	89	1	0
15-16	6,112	4	117	270	4	387	1,253	2,074	1,623	683	88	0	0
17-18	1,373	2	37	69	2	106	303	471	348	126	17	0	0
19+	2,209	4	36	115	5	151	508	705	550	255	33	2	0
Unknown/ Not Stated	464	0	28	48	0	76	108	138	86	49	5	0	2
PERCENT:													
No Visits	1.3	8.9	2.9	2.6	9.8	2.7	2.0	0.9	0.7	0.7	1.3	6.7	12.5
1-2	1.7	1.3	4.2	3.9	1.2	4.0	2.3	1.3	0.8	0.8	1.1	0.0	0.0
3-4	3.1	6.3	7.4	6.5	6.1	6.8	4.7	2.1	1.6	1.6	2.7	0.0	12.5
5-6	5.5	15.2	11.0	10.7	14.6	10.8	7.6	4.3	3.4	2.8	5.7	6.7	12.5
7-8	9.2	15.2	15.9	14.2	14.6	14.8	10.7	7.8	7.5	7.0	7.8	6.7	25.0
9-10	17.7	16.5	20.8	20.8	15.9	20.8	18.2	16.8	17.0	17.3	17.9	33.3	12.5
11-12	27.7	12.7	19.1	20.1	13.4	19.7	25.2	30.3	30.4	28.9	27.7	26.7	25.0
13-14	15.2	11.4	8.9	9.4	11.0	9.2	13.1	16.6	17.5	17.6	14.1	6.7	0.0
15-16	11.7	5.1	6.0	7.1	4.9	6.7	9.8	12.6	13.6	15.0	13.9	0.0	0.0
17-18	2.6	2.5	1.9	1.8	2.4	1.8	2.4	2.9	2.9	2.8	2.7	0.0	0.0
19+	4.2	5.1	1.8	3.0	6.1	2.6	4.0	4.3	4.6	5.6	5.2	13.3	0.0

Percentages exclude cases where number of prenatal visits was unknown or not stated.

Table 31. Live Births by Month and Trimester Prenatal Care Began and Number of Prenatal Visits: Colorado Residents, 1989

NUMBER OF PRENATAL VISITS	TOTAL	MONTH CARE BEGAN FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH	EIGHTH	NINTH	ONLY AT DELIVERY	NO CARE/ UNKNOWN/ NOT STATED
Total	52,697	8,713	20,528	10,698	4,714	2,862	1,891	1,239	729	323	586	414
0	688	2	5	3	2	1	3	1	3	5	1	80
1	302	15	15	14	25	16	25	35	56	94	0	6
2	576	10	38	62	47	57	62	75	137	81	0	7
3	703	11	45	54	71	83	98	117	147	71	0	6
4	931	23	78	93	123	133	163	169	120	26	0	3
5	1,218	53	104	145	190	204	205	197	97	20	0	3
6	1,663	56	233	292	276	293	262	175	58	12	0	6
7	1,944	103	363	404	340	308	240	142	42	1	0	1
8	2,848	134	693	703	465	395	296	122	32	3	0	5
9	3,013	222	934	837	455	339	145	69	8	1	0	3
10	6,225	578	2,273	1,744	993	379	178	66	9	1	0	4
11	4,572	477	1,978	1,405	424	189	63	22	7	1	0	6
12	9,918	2,002	5,002	2,050	545	215	60	24	3	3	1	13
13	3,356	701	1,601	756	196	68	25	5	3	0	0	1
14	4,582	1,018	2,602	708	180	51	14	4	0	0	0	5
15	4,644	1,884	1,892	602	164	59	29	3	4	0	0	7
16	1,468	314	817	245	67	14	5	4	2	0	0	0
17	668	124	385	117	27	14	1	0	0	0	0	0
18	705	209	345	115	22	6	6	2	0	0	0	0
19+	2,209	746	1,040	302	83	25	7	3	0	2	0	1
Unknown/ Not Stated	464	31	85	47	19	13	4	4	1	2	1	257

NUMBER PRENATAL VISITS	TRIMESTER CARE BEGAN FIRST	SECOND	THIRD
Total	39,939	9,467	2,291
0	10	6	9
1	44	66	185
2	110	166	293
3	110	252	335
4	194	419	315
5	302	599	314
6	581	831	245
7	870	888	185
8	1,530	1,156	157
9	1,993	939	78
10	4,595	1,550	76
11	3,860	676	30
12	9,054	820	30
13	3,058	289	8
14	4,328	245	4
15	4,378	252	7
16	1,376	86	6
17	626	42	0
18	669	34	2
19+	2,088	115	5
Unknown/ Not Stated	163	36	7

Table 32. Trimester Prenatal Care Began: Colorado Resident Live Births, 1975-1989

	TOTAL	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NO CARE/ CARE ONLY AT DELIVERY	LATE CARE (THIRD TRIM OR NO CARE)	START OF CARE UNKNOWN/ NOT STATED
NUMBER OF BIRTHS:							
1975	40,148	29,446	7,995	1,729	335	2,064	643
1976	40,978	30,203	7,872	1,923	346	2,269	634
1977	43,056	32,321	8,032	1,760	324	2,084	619
1978	44,063	33,173	7,926	1,778	271	2,049	915
1979	47,179	35,680	8,359	1,842	221	2,063	1,077
1980	49,716	38,164	8,085	1,782	253	2,035	1,432
1981	52,104	40,015	8,661	2,036	240	2,276	1,152
1982	54,786	41,010	9,902	2,487	317	2,804	1,070
1983	54,644	41,211	9,591	2,608	365	2,973	869
1984	54,339	41,415	9,329	2,364	421	2,785	810
1985	55,115	42,094	9,206	2,393	422	2,815	1,000
1986	55,142	42,223	9,365	2,260	446	2,706	848
1987	53,803	40,997	9,378	2,030	439	2,469	959
1988	53,346	40,893	9,123	2,143	472	2,615	715
1989	52,697	39,939	9,467	2,291	584	2,875	414
PERCENT OF BIRTHS:							
1975		74.5	20.2	4.4	0.8	5.2	
1976		74.9	19.5	4.8	0.9	5.6	
1977		76.2	18.9	4.1	0.8	4.9	
1978		76.9	18.4	4.1	0.6	4.7	
1979		77.4	18.1	4.0	0.5	4.5	
1980		79.0	16.7	3.7	0.5	4.2	
1981		78.5	17.0	4.0	0.5	4.5	
1982		76.3	18.4	4.6	0.6	5.2	
1983		76.6	17.8	4.8	0.7	5.5	
1984		77.4	17.4	4.4	0.8	5.2	
1985		77.8	17.0	4.4	0.8	5.2	
1986		77.8	17.2	4.2	0.8	5.0	
1987		77.6	17.7	3.8	0.8	4.7	
1988		77.7	17.3	4.1	0.9	5.0	
1989		76.4	18.1	4.4	1.1	5.5	

Percentages exclude births with start of prenatal care unknown or not stated.

Figure 19. Percentage of Births for Unmarried Women: Colorado Residents and United States, 1940-1989

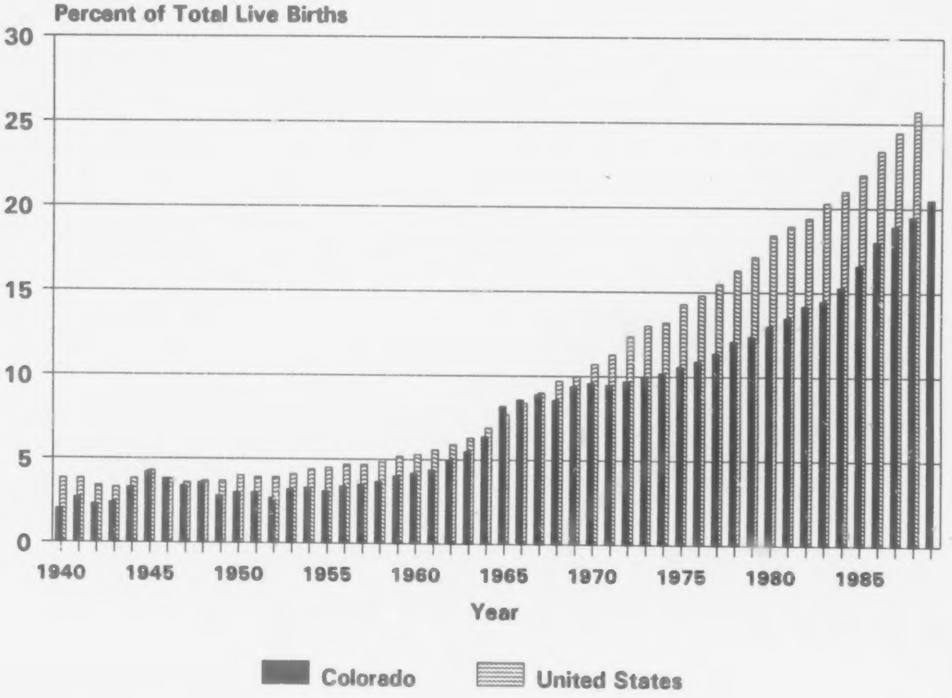


Table 33. Live Births by Age, Education and Race/Ethnicity of Mother: Colorado Residents, 1989

RACE AND AGE OF MOTHER	TOTAL	YEARS OF EDUCATION 0-8	9-11	12	13-15	16+	UNKNOWN/ NOT STATED	<12	12+
ALL RACES:									
Total	52,697	1,452	7,691	19,265	11,826	12,019	444	9,143	43,110
<15	82	58	19	0	0	0	5	77	0
15-19	5,846	323	3,220	2,034	192	13	64	3,543	2,239
20-24	12,847	394	2,484	6,614	2,671	575	109	2,878	9,860
25-29	16,612	342	1,307	6,379	4,455	4,017	112	1,649	14,851
30-34	12,055	219	503	3,182	3,193	4,860	98	722	11,235
35-39	4,593	87	120	918	1,172	2,250	46	207	4,340
40-44	637	28	36	131	141	297	4	64	569
45+	15	0	2	5	1	6	1	2	12
Unknown/Not Stated	10	1	0	2	1	1	5	1	4
TOTAL WHITE:									
Total	48,233	1,294	6,860	17,397	10,946	11,414	322	8,154	39,757
<15	60	43	15	0	0	0	2	58	0
15-19	5,090	295	2,822	1,742	167	11	53	3,117	1,920
20-24	11,547	365	2,254	5,910	2,408	530	80	2,619	8,848
25-29	15,341	305	1,194	5,863	4,103	3,800	76	1,499	13,766
30-34	11,289	192	437	2,930	3,027	4,628	75	629	10,585
35-39	4,289	70	103	826	1,110	2,149	31	173	4,085
40-44	596	24	33	119	129	289	2	57	537
45+	14	0	2	5	1	6	0	2	12
Unknown/Not Stated	7	0	0	2	1	1	3	0	4
WHITE/NON-SPANISH ORIGIN:									
Total	39,859	285	4,055	14,243	9,991	11,052	233	4,340	35,286
<15	25	19	6	0	0	0	0	25	0
15-19	3,227	106	1,668	1,276	134	11	32	1,774	1,421
20-24	8,797	78	1,366	4,697	2,119	487	50	1,444	7,303
25-29	13,156	52	721	4,922	3,738	3,667	56	773	12,327
30-34	10,222	17	240	2,556	2,840	4,504	65	257	9,900
35-39	3,900	10	39	694	1,036	2,094	27	49	3,824
40-44	516	3	13	94	122	283	1	16	499
45+	11	0	2	2	1	6	0	2	9
Unknown/Not Stated	5	0	0	2	1	0	2	0	3
WHITE/SPANISH ORIGIN:									
Total	8,374	1,009	2,805	3,154	955	362	89	3,814	4,471
<15	35	24	9	0	0	0	2	33	0
15-19	1,863	189	1,154	466	33	0	21	1,343	499
20-24	2,750	287	888	1,213	289	43	30	1,175	1,545
25-29	2,185	253	473	941	365	133	20	726	1,439
30-34	1,067	175	197	374	187	124	10	372	685
35-39	389	60	64	132	74	55	4	124	261
40-44	80	21	20	25	7	6	1	41	38
45+	3	0	0	3	0	0	0	0	3
Unknown/Not Stated	2	0	0	0	0	1	1	0	1
TOTAL NON-WHITE:									
Total	4,402	155	829	1,863	876	593	86	984	3,332
<15	22	15	4	0	0	0	3	19	0
15-19	750	27	397	290	25	2	9	424	317
20-24	1,288	28	229	702	262	44	23	257	1,008
25-29	1,255	36	113	515	349	215	27	149	1,079
30-34	751	27	66	252	166	227	13	93	645
35-39	293	17	17	92	62	98	7	34	252
40-44	40	4	3	12	12	7	2	7	31
45+	1	0	0	0	0	0	1	0	0
Unk/Not Stated	2	1	0	0	0	0	1	1	0

RACE AND AGE		YEARS OF EDUCATION					UNKNOWN/		
OF MOTHER	TOTAL	0-8	9-11	12	13-15	16+	NOT STATED	<12	12+
BLACK:									
Total	2,748	32	571	1,257	588	265	35	603	2,110
<15	19	12	4	0	0	0	3	16	0
15-19	577	12	310	227	23	0	5	322	250
20-24	897	5	147	520	193	23	9	152	736
25-29	721	3	69	318	227	95	9	72	640
30-34	386	0	30	141	103	106	6	30	350
35-39	130	0	8	48	34	38	2	8	120
40-44	18	0	3	3	8	3	1	3	14
45+	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0
NATIVE AMERICAN:									
Total	465	17	139	204	76	26	3	156	306
<15	2	2	0	0	0	0	0	2	0
15-19	89	3	52	32	1	0	1	55	33
20-24	160	6	47	78	26	1	2	53	105
25-29	116	4	22	56	25	9	0	26	90
30-34	68	1	15	27	15	10	0	16	52
35-39	25	1	3	8	7	6	0	4	21
40-44	5	0	0	3	2	0	0	0	5
45+	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0
ASIAN:									
Total	1,173	100	117	398	212	298	48	217	908
<15	0	0	0	0	0	0	0	0	0
15-19	84	12	35	31	1	2	3	47	34
20-24	227	14	34	104	43	20	12	48	167
25-29	412	28	21	139	97	109	18	49	345
30-34	294	26	21	82	48	110	7	47	240
35-39	136	15	6	36	21	53	5	21	110
40-44	17	4	0	6	2	4	1	4	12
45+	1	0	0	0	0	0	1	0	0
Unk/Not Stated	2	1	0	0	0	0	1	1	0
OTHER NON-WHITE:									
Total	16	6	2	4	0	4	0	8	8
<15	1	1	0	0	0	0	0	1	0
15-19	0	0	0	0	0	0	0	0	0
20-24	4	3	1	0	0	0	0	4	0
25-29	6	1	1	2	0	2	0	2	4
30-34	3	0	0	2	0	1	0	0	3
35-39	2	1	0	0	0	1	0	1	1
40-44	0	0	0	0	0	0	0	0	0
45+	0	0	0	0	0	0	0	0	0
Unk/Not Stated	0	0	0	0	0	0	0	0	0
UNKNOWN OR NOT STATED:									
Total	62	3	2	5	4	12	36	5	21
<15	0	0	0	0	0	0	0	0	0
15-19	6	1	1	2	0	0	2	2	2
20-24	12	1	1	2	1	1	6	2	4
25-29	16	1	0	1	3	2	9	1	6
30-34	15	0	0	0	0	5	10	0	5
35-39	11	0	0	0	0	3	8	0	3
40-44	1	0	0	0	0	1	0	0	1
45+	0	0	0	0	0	0	0	0	0
Unk/Not Stated	1	0	0	0	0	0	1	0	0

Table 34. Live Births to Unmarried Women: Colorado Residents and United States Selected Years, 1930-1989

	TOTAL	COLORADO		U.S.
YEAR	LIVE BIRTHS	NUMBER	PERCENT	PERCENT
1930	18,814	442	2.3	3.3
1940	21,416	436	2.0	3.8
1941	21,452	573	2.7	3.8
1942	23,337	538	2.3	3.4
1943	24,203	586	2.4	3.3
1944	23,805	797	3.3	3.8
1945	23,228	978	4.2	4.3
1946	29,176	1,114	3.8	3.8
1947	32,509	1,121	3.4	3.6
1948	32,826	1,177	3.6	3.7
1949	32,846	935	2.8	3.7
1950	33,853	1,019	3.0	4.0
1951	35,755	1,074	3.0	3.9
1952	37,137	1,012	2.7	3.9
1953	37,872	1,207	3.2	4.1
1954	38,906	1,296	3.3	4.4
1955	39,905	1,233	3.1	4.5
1956	41,553	1,402	3.4	4.7
1957	41,256	1,433	3.5	4.7
1958	41,890	1,549	3.7	5.0
1959	41,984	1,665	4.0	5.2
1960	42,905	1,785	4.2	5.3
1961	44,648	1,955	4.4	5.6
1962	43,594	2,181	5.0	5.9
1963	42,179	2,339	5.5	6.3
1964	40,537	2,602	6.4	6.9
1965	36,851	3,018	8.2	7.7
1966	34,899	3,016	8.6	8.4
1967	35,166	3,139	8.9	9.0
1968	36,842	3,172	8.6	9.7
1969	39,189	3,686	9.4	10.0
1970	41,480	3,982	9.6	10.7
1971	40,360	3,831	9.5	11.3
1972	38,585	3,753	9.7	12.4
1973	38,507	3,849	10.0	13.0
1974	[illegible],036	3,976	10.2	13.2
1975	[illegible]0,148	4,244	10.6	14.3
1976	40,978	4,465	10.9	14.8
1977	43,056	4,903	11.4	15.5
1978	44,063	5,343	12.1	16.3
1979	47,179	5,853	12.4	17.1
1980	49,716	6,465	13.0	18.4
1981	52,104	7,016	13.5	18.9
1982	54,786	7,760	14.2	19.4
1983	54,644	7,920	14.5	20.3
1984	54,339	8,289	15.3	21.0
1985	55,115	9,151	16.6	22.0
1986	55,142	9,926	18.0	23.4
1987	53,803	10,167	18.9	24.5
1988	53,346	10,425	19.5	25.7
1989	52,697	10,787	20.5	-

U.S. data are from the National Center for Health Statistics.

Table 35. Live Births and Percent of Live Births to Unmarried Women by Age and Race/Ethnicity of Mother: Colorado Residents, 1989

	LIVE BIRTHS	TOTAL WHITE	NON-SPANISH WHITE	SPANISH ORIGIN WHITE	TOTAL NONWHITE	BLACK	NATIVE AMERICAN	ASIAN	ALL OTHER	UNKNOWN/ NOT STATED
		RACE/ETHNICITY OF MOTHER								
TOTAL LIVE BIRTHS:										
All Ages	52,697	48,233	39,859	8,374	4,402	2,748	465	1,173	16	62
13-14	79	60	25	35	19	16	2	0	1	0
15-17	1,983	1,694	964	730	287	222	33	32	0	2
18-19	3,863	3,396	2,263	1,133	463	355	56	52	0	4
<15	82	60	25	35	22	19	2	0	1	0
15-19	5,846	5,090	3,227	1,863	750	577	89	84	0	6
20-24	12,847	11,547	8,797	2,750	1,288	897	160	227	4	12
25-29	16,612	15,341	13,156	2,185	1,255	721	116	412	6	16
30-34	12,055	11,289	10,222	1,067	751	386	68	294	3	15
35-39	4,593	4,289	3,900	389	293	130	25	136	2	11
40-44	637	596	516	80	40	18	5	17	0	1
45+	15	14	11	3	1	0	0	1	0	0
Unknown/ Not Stated	10	7	5	2	2	0	0	2	0	1
BIRTHS TO UNMARRIED WOMEN:										
All Ages	10,787	8,975	5,546	3,429	1,798	1,464	240	92	2	14
13-14	76	58	25	33	18	16	2	0	0	0
15-17	1,586	1,328	723	605	256	215	28	13	0	2
18-19	2,242	1,893	1,145	748	347	286	44	17	0	2
<15	79	58	25	33	21	19	2	0	0	0
15-19	3,828	3,221	1,868	1,353	603	501	72	30	0	4
20-24	3,614	2,984	1,841	1,143	625	508	93	23	1	5
25-29	1,981	1,632	1,079	553	347	277	48	21	1	2
30-34	869	718	483	235	150	122	18	10	0	1
35-39	351	305	215	90	45	33	7	5	0	1
40-44	61	54	35	19	7	4	0	3	0	0
45+	3	3	0	3	0	0	0	0	0	0
Unknown/ Not Stated	1	0	0	0	0	0	0	0	0	1
PERCENT OF BIRTHS TO UNMARRIED WOMEN:										
All Ages	20.5	18.6	13.9	40.9	40.8	53.3	51.6	7.8	12.5	22.6
13-14	96.2	96.7	100.0	94.3	94.7	100.0	100.0	-	0.0	-
15-17	80.0	78.4	75.0	82.9	89.2	96.8	84.8	40.6	-	100.0
18-19	58.0	55.7	50.6	66.0	74.9	80.6	78.6	32.7	-	50.0
<15	96.3	96.7	100.0	94.3	95.5	100.0	100.0	-	0.0	-
15-19	65.5	63.3	57.9	72.6	80.4	86.8	80.9	35.7	-	66.7
20-24	28.1	25.8	20.9	41.6	48.5	56.6	58.1	10.1	25.0	41.7
25-29	11.9	10.6	8.2	25.3	27.6	38.4	41.4	5.1	16.7	12.5
30-34	7.2	6.4	4.7	22.0	20.0	31.6	26.5	3.4	0.0	6.7
35-39	7.6	7.1	5.5	23.1	15.4	25.4	28.0	3.7	0.0	9.1
40-44	9.6	9.1	6.8	23.8	17.5	22.2	0.0	17.6	-	0.0
45+	20.0	21.4	0.0	100.0	0.0	-	-	0.0	-	-
Unknown/ Not Stated	10.0	0.0	0.0	0.0	0.0	-	-	0.0	-	100.0

Percentages based on small numbers of cases must be viewed with caution. Similar data in earlier annual reports were tabulated by race of child.

Congenital Anomalies

The method of reporting congenital anomalies on birth certificates changed to the use of checkbox categories in 1989. Anomalies previously were written on the birth record. This change appears to have improved reporting in 1989. However, it is likely that reporting of congenital anomalies continues to be incomplete on birth certificates, even for obvious or severe conditions.

Because of incomplete reporting, initially inconsistent reporting practices, and the large number of unspecified anomalies reported, care should be used when attempting to interpret these data. It is expected that the quality of these and other checkbox data will improve in 1990 and beyond.

In 1989, 1,185 resident live births had one or more congenital anomalies reported, 2.4 percent of all births. In 1988, 0.8 percent (453 of 53,346 births) had congenital anomalies entered on the birth record. On the surface, therefore, general reporting of anomalies appears to have improved in 1989 with the new reporting system.

Table 36 shows congenital anomalies reported on birth certificates in 1989. Reporting of anomalies for many types of anomalies increased in 1989. For example, reported heart anomalies increased from 33 cases in 1988 to 73 in 1989, other circulatory and respiratory anomalies from 17 to 79, club foot from 18 to 38, and Down's syndrome from 10 to 41. Checkbox categories used in 1989 often are less specific than the individual anomalies reported previously.

In addition to reports for specified anomaly types, the check box for "other" anomalies was checked 635 times in 1989. Fewer than 40 births had an explanation written in for this field, and, of these, fewer than 20 contained entries appropriate to congenital anomalies.

Congenital anomalies reported by type and by month appear in Table 38. Colorado's experience with the new checkbox items is similar to that seen across the country. As noted before, the value of these data will increase as data providers become more familiar with the revised birth certificate and quality control measures become more effective.

Apgar Scores

The Apgar score is a summary measure used to evaluate a newborn's condition at birth. Named after the originator, Dr. Virginia Apgar, the total is the sum of scores for five factors (heart rate, respiratory effort, muscle tone, irritability and color), each of which is assigned a value from zero to two. A total score of 10 is optimum.

Apgar scores are determined at one minute and five minutes after birth. Five-minute Apgar scores are considered to be better predictors of survival ability than one-minute scores. The general efficacy of the score as a predictor of long-term survival, however, is disputed.

In 1989, 84.8 percent of Colorado resident live births with the measure reported had five-minute Apgar scores of 9 or 10. Scores of 9 or 10 were reported for 84.7 percent of births in the state in 1988. Nationally, scores of 9 or 10 were reported for 88.9 percent.

Apgar scores of 9 or 10 were reported less frequently for teen mothers than any age group. In 1989, only 76.5 percent of the 82 births to mothers younger than age 15 had scores of 9 or 10. Of births to teens aged 15-19, 81.2 percent had scores of 9 or 10. The highest proportion of high scores was seen among mothers aged 25-29 (86.0 percent) and 30-34 (85.9 percent).

Women under age 20 had the highest frequency of births with Apgar scores less than 7, which indicate a newborn in some distress. In 1989, 7.5 percent of births to teens aged 10-14 and 2.3 percent of births to teens aged 15-19 had scores of less than 7.

Scores of less than 7 were reported for 1.9 percent of births to mothers aged 20-24, 1.3 percent for ages 25-29 and 30-34, 1.4 percent for ages 35-39, and 1.7 percent for ages 40-44.

Five-minute Apgar scores varied somewhat by race/ethnicity of mother, partly because of higher proportions of teen births among black and Hispanics. Among births to white mothers, 85.1 percent had scores of 9 or 10. Hispanic mothers whose births scored 9 or 10 accounted for 84.0 percent of total, while 81.9 percent of births to black mothers scored 9 or 10. The highest scores were seen among Asian mothers, for whom 87.1 percent of births scored 9 or 10.

When births to mothers aged 25 and older only are considered, scores of 9 or 10 were reported for 86.0 percent of white births, 84.3 percent of Hispanic births, and 83.5 percent of black births.

Low scores of less than 7 were reported most frequently for babies of black mothers at 2.5 percent, compared to 2.4 percent for Asians, 1.6 percent for Hispanics and 1.5 percent for whites.

Table 37 shows five-minute Apgar scores for Colorado resident live births by age and race/ethnicity of mother in 1989. As noted elsewhere in this report, race/ethnic categories used here differ from those in previous editions of the annual report.

New Data Items on Birth Certificates

Birth records were revised in 1989 throughout the United States to include reporting of medical risk factors, obstetric procedures, complication of labor and/or delivery, method of delivery, abnormal conditions of fetus, tobacco and alcohol use during pregnancy, and weight gained during pregnancy.

These data items will offer substantial gains in the amount of medical information obtainable from birth certificates. However, users of these data for 1989 should consider the likely variability and inconsistency of reporting that accompanies major changes made to a complex reporting system.

Table 38 shows reporting for these new data fields in 1989 for Colorado resident births by month of occurrence. It is important to note that each of the new data categories contains substantial numbers of "other" risk factors, complications, etc. Editing of data for 1989 revealed that fewer than 10 percent of these entries in any category had specific descriptions written in.

Of those cases where an explanation of the "other" entry was specified, many were misreported. Examples are abnormal conditions reported as congenital anomalies and congenital anomalies written in for which checkbox items existed. Preliminary data for 1990 show considerable reductions in "other" entries being made. Quality control measures have ensured that all "other" entries made will be accompanied by an explanation.

Medical Risk Factors

Data are presented here as reported on birth records. Care should be used in drawing conclusions from this information because data are from initial reporting of new birth certificate items. Reporting may not have been consistent over time or from place to place.

Pregnancy-related hypertension was the medical risk factor reported most often. entered for 1,643 births, 3.1 percent of all live births in 1989. Gestational diabetes was reported for 852 births (1.6 percent), anemia for 603 births (1.1 percent), and genital herpes for 534 births (1.0 percent).

Obstetric Procedures

Electronic fetal monitoring was reported for 37,077 births in 1989, 70 percent of all births. Ultrasound was reported for 44 percent of births in the period March-December 1989. Stimulation of labor was reported for 13 percent of births in that time, and induced labor was reported for 13 percent of births.

Complications of Labor and/or Delivery

Moderate or heavy meconium (material in the intestines of a full-term fetus) was the complication most often reported in 1989, being reported for 3,167 births (6.0 percent of total births). Fetal distress was reported for 2,586 births (4.9 percent).

Among other complications, dysfunctional labor, breech or other malpresentation, precipitous labor, cephalopelvic (relationship of fetal head to maternal pelvis) disproportion and premature membrane rupture each were reported for between 3 and 4 percent of births.

Method of Delivery

Vaginal deliveries were reported or inferred for 82.4 percent of births to Colorado residents in 1989. Caesarean sections were reported for 17.6 percent of births. Figure 20 compares reported delivery method for Colorado residents in 1989 with data for 1977, the last year for which this information was available until now. In that year 12.4 percent of births were reported as delivered by Caesarean section.

It should be noted that, as with other new checkbox data items being discussed in this section, care should be used when interpreting these data. Categories for method of delivery listed in Table 38 will not add to total because of multiple reporting (e.g. vaginal, vaginal after repeat C-section, forceps and vacuum all being reported for the same birth) or other reporting peculiarities.

Tobacco Use during Pregnancy

Tobacco use during pregnancy was reported for 7,567 Colorado resident live births in 1989. This figure represents 15.4 percent of total births with this item reported.

Three-fourths (5,673) of smoking mothers reported smoking less than a pack of cigarettes per day. One pack contains 20 cigarettes. One-fourth (1,894) of smoking mothers reported smoking at least one pack of cigarettes per day. Sixty mothers reported smoking two packs or more per day.

These data are reported as the average number of cigarettes per day.

Alcohol Use during Pregnancy

Alcohol use during pregnancy is reported as the average number of drinks pregnant women drank per week. Of Colorado resident births in 1989, 47,205 births had mothers who reported zero drinks per week, 96.7 percent of total births with this information reported. Mothers who reported an average of at least one drink per week totaled 1,636, 3.3 percent of births.

Almost two-thirds of mothers (1,047) who reported drinking during pregnancy reported an average of one drink per week. An average of two weekly drinks were reported by 298 mothers, three drinks by 111 mothers, and four drinks by 60 mothers. Mothers in 120 births reported an average of at least five drinks per week during their pregnancies.

As with tobacco use, these data reflect self-reporting to some extent and may not completely reflect actual tobacco and alcohol use during pregnancy.

Weight Gained during Pregnancy

Maternal weight gain was added as a birth certificate item in 1989. In all, 45,096 (85.6 percent) Colorado resident births had maternal weight gain reported on the birth record. Weights were reported by pound, with reported weight gains clustering around five-pound multiples.

The greatest proportion of reported weight gains centered on 30 pounds. Nearly half (21,193 births, 47.0 percent of total) of births with maternal weight gain reported were in the range of 25 to 35 pounds.

On either extreme, 2,051 mothers (4.5 percent) gained less than 15 pounds and 2,279 mother gained 50 pounds or more during their pregnancies.

Figure 21 shows weight gained in pregnancy by single pounds for Colorado resident births in 1989.

Table 36. Congenital Anomalies Reported on Birth Certificates: Colorado Residents, 1989

CATEGORY	ICD9 CODE	REPORTS
Total Live Births		52,697
Births with "None" Box Checked		50,841
Births with No Box Checked		671
Total Live Births with No Anomalies Reported		51,512
Births with 1 Specified Anomaly Box Checked		491
Births with "Other" Box Checked Only		589
Births with 2+ Anomaly Boxes Checked		105
Total Live Births with Anomalies Reported		1,185
Anencephalus	740	3
Spina Bifida/Meningocele	741	10
Hydrocephalus	742.3	15
Microcephalus	742.1	9
Other Central Nervous System Anomalies	742 excl .1,.3	14
Heart Malformations	745,746	73
Other Circulatory /Respiratory Anomalies	747,748	79
Rectal Artresia/Stenosis	751.2	5
Tracheo-Esophageal Fistula/Esophageal Artresia	750.3	10
Omphalocele/Gastroschisis	756.7	13
Other Gastrointestinal Anomalies	750.5,.7,751 excl .2	26
Malformed Genitalia	752	21
Renal Agenesis	753.0	4
Other Urogenital Anomalies	753 excl .0	80
Cleft Lip/Palate	749	63
Polydactyly/Syndactyly/Adactyly	755.0-755.5	48
Club Foot	754.5,754.7	38
Diaphragmatic Hernia	756.6	14
Other Musculoskeletal/Integumental Anomalies	754 excl .5,.7,755-757	104
Down's Syndrome	758.0	41
Other Chromosomal Anomalies	758.1-758.9	33
Other (Fewer than 20 of these births had specific "other" anomaly reported)		635

Data are presented as reported. It is assumed that congenital anomalies are underreported on birth certificates, including obvious or severe anomalies. ICD9 codes associated with check box categories are approximate. Column will not add to total because of multiple anomalies reported for some births.

Table 37. Live Births by Five-Minute Apgar Score and Age and Race/Ethnicity of Mother: Colorado Residents, 1989

RACE AND AGE OF MOTHER	FIVE-MINUTE APGAR SCORE														
	TOTAL	0	1	2	3	4	5	6	7	8	9	10	UNKNOWN/ NOT STATED	<7	9-10
ALL RACES:															
Total	52,697	36	82	50	55	83	150	368	1,048	6,101	41,619	2,840	265	824	44,459
<15	82	0	1	0	1	0	0	4	1	19	51	3	2	6	54
15-19	5,846	6	12	10	5	9	25	64	161	800	4,433	289	32	131	4,722
20-24	12,847	8	26	16	11	23	46	108	286	1,514	10,028	704	77	238	10,732
25-29	16,612	11	15	15	21	21	35	96	289	1,814	13,299	933	63	214	14,232
30-34	12,055	9	22	5	8	16	26	70	198	1,334	9,674	642	51	156	10,316
35-39	4,593	2	6	4	7	11	13	22	101	536	3,631	232	28	65	3,863
40-44	637	0	0	0	2	2	3	4	12	80	494	33	7	11	527
45+	15	0	0	0	0	0	1	0	0	2	6	4	2	1	10
Unknown/Not Stated	10	0	0	0	0	1	1	0	0	2	3	0	3	2	3
TOTAL WHITE:															
Total	48,233	36	71	42	43	72	134	326	951	5,589	38,077	2,673	219	724	40,750
<15	60	0	1	0	1	0	0	4	1	14	35	2	2	6	37
15-19	5,090	6	11	9	3	7	22	52	144	691	3,854	272	19	110	4,126
20-24	11,547	8	21	10	8	22	40	96	249	1,368	9,005	655	65	205	9,660
25-29	15,341	11	14	14	14	15	32	86	264	1,680	12,275	881	55	186	13,156
30-34	11,289	9	19	5	8	16	26	65	186	1,251	9,047	612	45	148	9,659
35-39	4,289	2	5	4	7	9	10	19	96	505	3,393	215	24	56	3,608
40-44	596	0	0	0	2	2	2	4	11	76	460	32	7	10	492
45+	14	0	0	0	0	0	1	0	0	2	6	4	1	1	10
Unknown/Not Stated	7	0	0	0	0	1	1	0	0	2	2	0	1	2	2
WHITE/NON-SPANISH ORIGIN:															
Total	39,859	33	57	34	37	64	101	267	772	4,563	31,457	2,296	178	593	33,753
<15	25	0	0	0	1	0	0	4	1	2	14	1	2	5	15
15-19	3,227	5	10	6	2	5	13	33	99	425	2,413	201	15	74	2,614
20-24	8,797	6	16	8	7	19	29	80	195	1,068	6,789	530	50	165	7,319
25-29	13,156	11	9	12	11	14	27	73	222	1,411	10,543	783	40	157	11,326
30-34	10,222	9	17	4	8	15	23	56	163	1,131	8,199	555	42	132	8,754
35-39	3,900	2	5	4	7	9	7	17	85	456	3,091	196	21	51	3,287
40-44	516	0	0	0	1	1	1	4	7	66	403	27	6	7	430
45+	11	0	0	0	0	0	1	0	0	2	4	3	1	1	7
Unknown/Not Stated	5	0	0	0	0	1	0	0	0	2	1	0	1	1	1
WHITE/SPANISH ORIGIN:															
Total	8,374	3	14	8	6	8	33	59	179	1,026	6,620	377	41	131	6,997
<15	35	0	1	0	0	0	0	0	0	12	21	1	0	1	22
15-19	1,863	1	1	3	1	2	9	19	45	266	1,441	71	4	36	1,512
20-24	2,750	2	5	2	1	3	11	16	54	300	2,216	125	15	40	2,341
25-29	2,185	0	5	2	3	1	5	13	42	269	1,732	98	15	29	1,830
30-34	1,067	0	2	1	0	1	3	9	23	120	848	57	3	16	905
35-39	389	0	0	0	0	0	3	2	11	49	302	19	3	5	321
40-44	80	0	0	0	1	1	1	0	4	10	57	5	1	3	62
45+	3	0	0	0	0	0	0	0	0	0	2	1	0	0	3
Unknown/Not Stated	2	0	0	0	0	0	1	0	0	0	1	0	0	1	1

RACE AND AGE OF MOTHER		FIVE-MINUTE APGAR SCORE													
	TOTAL	0	1	2	3	4	5	6	7	8	9	10	UNKNOWN/ NOT STATED	<7	9-10
TOTAL NON-WHITE:															
Total	4,402	0	10	8	12	11	15	42	97	508	3,487	167	45	98	3,654
<15	22	0	0	0	0	0	0	0	0	5	16	1	0	0	17
15-19	750	0	1	1	2	2	2	12	17	109	574	17	13	20	591
20-24	1,288	0	4	6	3	1	6	12	37	144	1,014	49	12	32	1,063
25-29	1,255	0	1	1	7	6	3	10	25	132	1,010	52	8	28	1,062
30-34	751	0	3	0	0	0	0	5	12	83	612	30	6	8	642
35-39	293	0	1	0	0	2	3	3	5	31	227	17	4	9	244
40-44	40	0	0	0	0	0	1	0	1	4	33	1	0	1	34
45+	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Unknown/Not Stated	2	0	0	0	0	0	0	0	0	0	1	0	1	0	1
BLACK:															
Total	2,748	0	6	8	7	9	10	28	73	351	2,139	92	25	68	2,231
<15	19	0	0	0	0	0	0	0	0	5	13	1	0	0	14
15-19	577	0	1	1	2	2	2	9	14	90	438	11	7	17	449
20-24	897	0	2	6	2	0	5	9	31	106	699	29	8	24	728
25-29	721	0	0	1	3	5	1	9	20	83	566	28	5	19	594
30-34	386	0	3	0	0	0	0	0	4	53	309	13	4	3	322
35-39	130	0	0	0	0	2	1	1	4	12	99	10	1	4	109
40-44	18	0	0	0	0	0	1	0	0	2	15	0	0	1	15
45+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown/Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NATIVE AMERICAN:															
Total	465	0	1	0	1	0	1	2	11	47	383	16	3	5	399
<15	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2
15-19	89	0	0	0	0	0	0	0	2	13	73	1	0	0	74
20-24	160	0	1	0	0	0	0	1	4	18	128	7	1	2	135
25-29	116	0	0	0	1	0	1	0	0	11	98	5	0	2	103
30-34	68	0	0	0	0	0	0	1	4	2	57	3	1	1	60
35-39	25	0	0	0	0	0	0	0	1	3	20	0	1	0	20
40-44	5	0	0	0	0	0	0	0	0	0	5	0	0	0	5
45+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown/Not Stated	0	0	0	0	0	0	0	0	[illegible]	0	0	0	0	0	0
ASIAN:															
Total	1,175	0	3	4	4	1	4	12	13	109	951	58	16	28	1,009
<15													0	0	0
15-19	84	0	0	0	0	0	0	3	1	6	63	5	6	3	68
20-24	227	0	1	0	1	1	1	2	2	20	183	13	3	6	196
25-29	412	0	1	0	3	0	1	1	5	37	342	19	3	6	361
30-34	294	0	0	0	0	0	0	4	4	28	244	13	1	4	257
35-39	136	0	1	0	0	0	2	2	0	16	106	7	2	5	113
40-44	17	0	0	0	0	0	0	0	1	2	13	1	0	0	14
45+	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Unknown/Not Stated	2	0	0	0	0	0	0	0	0	0	1	0	1	0	1

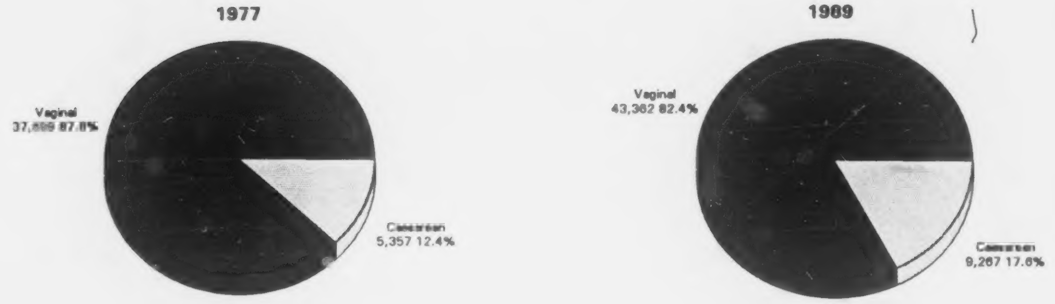
Similar tables in previous editions of this report were compiled by race/ethnicity of child.

Table 38. Medical and Other Risk Factors, Obstetric Procedures, Delivery Methods, Abnormal Conditions of Newborn, and Congenital Anomalies of Child Reported on Birth Certificates: Colorado Residents, 1989

	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Total Live Births	52,697	4,099	4,006	4,478	4,431	4,618	4,498	4,633	4,739	4,514	4,327	4,155	4,199
MEDICAL RISK FACTORS FOR THIS PREGNANCY:													
Anemia	603	56	37	46	46	48	51	63	54	51	44	47	60
Cardiac Disease	118	16	9	8	9	8	17	9	12	4	5	15	6
Acute or Chronic Lung Disease	89	15	12	6	7	8	3	8	6	6	7	7	4
Diabetes, Gestational	852	49	60	72	58	65	73	65	85	78	90	72	85
Diabetes, Pre-Existing	116	11	10	10	11	8	5	4	12	12	11	12	10
Genital Herpes	534	53	57	60	42	50	46	41	40	43	37	34	31
Hydramnios/Oligohydramnios	393	57	35	40	30	33	28	29	31	23	28	33	26
Hemoglobinopathy	12	2	1	2	1	0	0	1	1	1	1	0	2
Hypertension, Chronic	340	22	36	36	32	28	33	22	16	32	26	32	25
Hypertension, Pregnancy-Associated	1,643	148	145	164	155	157	114	103	134	125	136	129	133
Eclampsia	156	12	17	19	12	17	16	9	10	16	12	8	8
Incompetent Cervix	153	15	10	13	19	19	15	11	16	8	12	7	8
Previous Infant 4000+ Grams	497	50	45	55	40	48	45	40	36	31	35	37	35
Previous Preterm or Small for Gestational Age Infant	790	67	66	81	77	69	72	57	61	51	57	69	63
Renal Disease	80	6	8	10	3	7	10	3	11	6	7	3	6
RH Sensitization	382	23	26	35	25	29	29	36	44	39	37	23	36
Uterine Bleeding	411	30	27	51	30	42	33	34	34	32	33	30	35
Other Medical Risk Factors	6,043	458	461	508	489	527	498	[illegible]	604	507	484	470	529
OBSTETRIC PROCEDURES:													
Amniocentesis	2,816	196	225	266	227	262	252	221	247	219	258	232	211
Electronic Fetal Monitoring	37,077	2,603	2,771	3,080	3,056	3,216	3,116	3,209	3,276	3,204	3,187	3,136	3,223
Induction of Labor	6,484	458	507	583	526	530	578	493	586	589	567	518	549
Stimulation of Labor	6,591	431	463	521	526	582	511	585	618	569	592	580	613
Tocolysis	1,161	107	100	109	97	107	75	81	95	85	99	100	106
Ultrasound	23,306	1,413	1,628	1,904	1,865	1,997	1,964	2,115	2,150	2,059	2,012	2,052	2,147
Other Obstetric Procedures	1,160	112	106	116	93	101	84	103	88	77	109	79	92
COMPLICATIONS OF LABOR AND/OR DELIVERY:													
Febrile (>100 F or 38 C)	572	52	48	38	49	41	42	46	60	56	59	41	40
Meconium, Moderate/Heavy	3,167	286	253	318	273	290	264	259	258	262	248	233	223
Premature Membrane Rupture (<12 Hrs)	1,680	153	133	156	128	134	139	143	155	145	126	136	132
Abruptio Placenta	333	39	28	29	25	36	21	34	21	27	22	24	27
Placenta Previa	159	10	8	14	15	11	16	15	13	19	19	7	12
Other Excessive Bleeding	435	41	43	41	35	36	38	39	25	30	35	32	40
Siezures during Labor	11	2	2	1	1	0	2	0	0	0	1	2	0
Precipitous Labor (<3 Hrs)	1,858	183	153	154	148	156	164	144	152	150	149	164	141
Prolongued Labor (>20 Hrs)	686	56	43	49	59	50	62	70	59	62	61	48	67
Dysfunctional Labor	1,942	157	140	134	163	187	155	167	166	179	153	157	184
Breech/Malpresentation	1,917	124	155	173	159	174	167	150	184	157	172	147	155
Cephalopelvic Disproportion	1,706	138	148	160	151	154	154	145	149	135	145	119	108
Cord Prolapse	143	11	4	14	18	14	12	13	13	8	14	12	10
Anesthetic Complications	51	8	4	3	8	4	6	4	7	4	0	2	1
Fetal Distress	2,586	212	193	243	219	250	216	225	217	226	211	191	183
Other Complications of Labor or Delivery	5,108	412	418	506	453	416	413	424	466	395	417	395	393

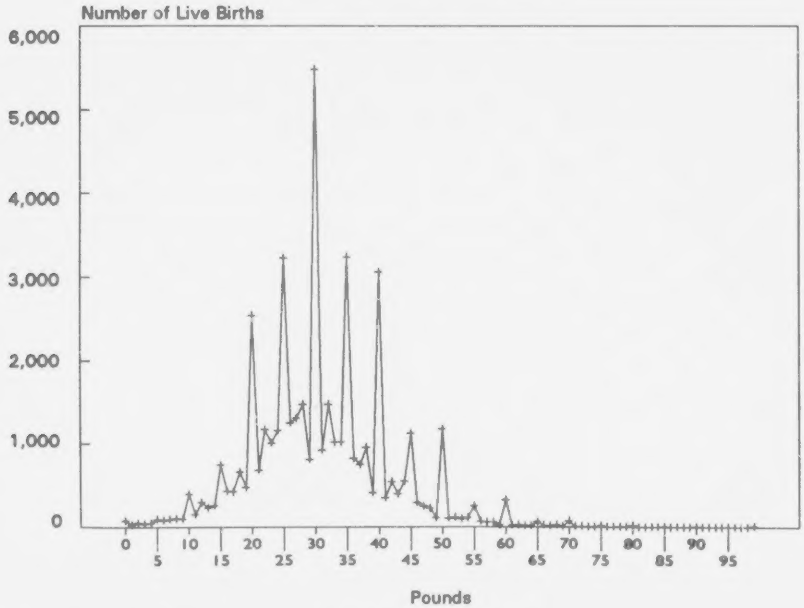
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
METHOD OF DELIVERY:													
Vaginal Delivery	39,181	2,932	2,970	3,242	3,249	3,496	3,369	3,481	3,517	3,377	3,212	3,124	3,212
Vaginal after Previous C-Section	1,496	109	105	137	142	145	142	116	134	144	117	114	91
Primary C-Section	6,205	453	469	585	541	511	514	549	551	556	541	486	449
Repeat C-Section	3,074	233	221	275	262	273	261	275	294	251	247	236	246
Forceps	2,583	168	224	209	248	227	237	224	230	209	198	199	210
Vacuum	3,935	280	286	287	328	326	334	332	359	362	356	327	358
ABNORMAL CONDITIONS OF NEWBORN:													
Anemia (HCT <39/HGB <13)	81	11	12	5	6	6	6	7	4	13	1	7	3
Birth Injury	52	1	3	10	2	4	4	6	6	3	5	3	5
Fetal Alcohol Syndrome	5	1	0	0	0	1	0	1	0	0	1	0	1
Hyaline Membrane Disease	244	26	21	20	18	23	17	23	20	16	22	17	21
Meconium Aspiration Syndrome	142	9	8	5	7	16	16	10	12	15	20	14	10
Assisted Ventilation <30 Min	293	28	26	30	28	28	22	27	19	24	28	18	15
Assisted Ventilation >30 Min	330	30	31	33	33	20	27	29	32	28	18	26	23
Seizures	44	2	0	2	4	7	6	4	5	4	3	4	3
Other Abnormal Conditions of Newborn	1,817	182	163	153	178	176	143	127	131	146	140	122	156
CONGENITAL ANOMALIES OF CHILD:													
Anencephalus	3	0	0	0	0	0	0	2	1	0	0	0	0
Spina Bifida/Meningocele	10	2	2	1	0	1	4	0	0	0	0	0	0
Hydrocephalus	15	1	3	0	2	3	2	1	1	0	0	0	2
Microcephalus	9	1	1	0	3	0	0	1	1	1	1	0	0
Other Central Nervous System Anomalies	14	2	1	1	1	0	4	1	0	0	1	2	1
Heart Malformations	73	8	3	11	9	8	6	4	7	5	5	3	4
Other Circulatory/Respiratory Anomalies	79	8	6	15	12	10	7	4	4	3	4	1	5
Rectal Artresia/Stenosis	5	0	2	0	1	0	0	0	1	0	0	1	0
Tracheo-Esophageal Fistula/ Esophageal Artresia	10	1	1	2	0	0	0	0	1	2	1	1	1
Omphalocele/Gastroschisis	13	0	2	0	2	1	1	2	0	3	1	1	0
Other Gastrointestinal Anomalies	26	1	1	4	1	2	6	3	1	0	2	4	1
Malformed Genitalia	21	5	2	1	0	1	2	1	2	2	1	1	3
Renal Agenesis	4	1	0	1	1	0	0	0	1	0	0	0	0
Other Urogenital Anomalies	80	7	9	7	8	9	3	8	3	6	10	6	4
Cleft Lip/Palate	63	7	7	4	8	7	4	4	2	3	2	7	8
Polydactyly/Syndactyly/ Adactyly	48	8	5	5	6	5	2	5	1	3	4	3	1
Club Foot	38	1	3	4	3	3	4	7	4	1	1	3	4
Diaphragmatic Hernia	14	2	1	0	0	2	0	0	2	2	2	1	2
Other Musculoskeletal/ Integumental Anomalies	104	12	11	12	10	11	4	10	10	8	7	3	6
Down's Syndrome	41	5	1	6	6	2	3	2	2	7	6	1	0
Other Chromosomal Anomalies	33	4	3	1	5	2	1	3	4	3	2	0	5
Other Congenital Anomalies	635	70	81	68	70	50	44	44	40	34	40	43	51

Figure 20. Method of Delivery Reported on Birth Certificates: Colorado Residents 1977 and 1989



Some vaginal deliveries were inferred from other entries on the birth record.

Figure 21. Weight Gained during Pregnancy: Colorado Residents, 1989



Weight gain was not stated in 7,801 of the total 52,697 live births in 1989.

Live Birth Data by County and Region

Birth statistics by county and region appear in Tables 39 through 49. County- and region-specific birth and fertility rates for multiple years appear in Tables 39 and 40. Births and fertility rates by age appear in Tables 41 and 42. A variety of age groupings for teen mothers has been used.

Figure 22 shows birth rates by county for 1989, while Figure 23 shows annual average general fertility rates for the five-year period of 1985-89. A map showing teen fertility rates by county appears as Figure 24. In some cases rates are based on small numbers of events. These maps should be considered general comparisons of rates across the state.

Table 43 presents live births by mothers' ages by city of residence. City-specific data are shown as reported. It is possible that some women reporting a city of residence may not actually live within city limits, especially in the case of births in rural Colorado.

Births by race/ethnicity of mother appear in Table 44. Figure 25 shows percentages of minority births (Hispanic, black, Asian, native American) by county. Race categories in this table and figure differ from those appearing in earlier editions, which were presented by race of child. Also, Hispanic categories used in this report differ from earlier treatments. See the technical notes for this report for a complete explanation of these changes.

Birth weights by county and region are shown in Table 45. Table 46 shows low weight births by age of mother. Figure 26 depicts percentages of low weight births by county for 1989. Percentages based on relatively few cases should be viewed with caution.

Prenatal care by county is considered in Tables 47 and 48. Table 47 shows births in 1989 by trimester care began. Table 48 concentrates on births with late (third trimester) or no prenatal care, showing counts by age of mother.

Educational attainment (<12 years, 12+ years) of mother and live-birth order appear in Table 49.

Table 39. Live Births and Birth Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1985-89

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	41,480	18.6	40,148	15.5	49,716	17.1	55,115	17.1	55,142	16.9	53,803	16.3	53,346	16.2	52,697	15.9
Adams	3,787	20.2	4,029	18.4	4,773	19.3	5,210	19.4	5,101	19.0	5,058	18.7	5,024	18.7	4,777	17.9
Alamosa	220	19.1	212	17.3	229	19.4	258	20.7	246	19.4	273	21.5	264	20.5	234	18.4
Arapahoe	2,704	16.5	3,296	15.0	4,947	16.6	6,458	17.0	6,414	16.7	6,269	16.2	6,269	16.3	6,200	16.1
Archuleta	52	19.4	56	18.9	76	20.6	101	19.4	96	18.0	88	16.7	91	18.2	84	16.2
Baca	89	15.7	103	18.1	90	16.8	83	17.4	57	12.7	74	16.6	76	16.5	51	11.3
Bent	89	13.7	76	11.9	94	15.9	80	14.0	56	9.8	65	11.9	76	13.9	64	12.2
Boulder	2,360	17.7	2,088	12.5	2,707	14.2	3,326	15.8	3,272	15.3	3,251	15.0	3,231	14.7	3,230	14.4
Chaffee	152	14.8	161	13.3	256	19.3	156	12.8	169	13.7	129	10.5	148	12.1	132	10.7
Cheyenne	39	16.3	46	20.5	32	15.0	55	22.6	35	14.9	37	16.2	48	19.6	46	17.7
Clear Creek	88	17.6	145	23.9	136	18.7	140	18.2	123	15.6	131	17.5	112	15.2	115	15.8
Conejos	160	20.4	146	18.0	192	24.8	143	18.0	137	16.7	137	16.4	133	16.3	137	17.2
Costilla	53	17.2	51	16.2	59	19.5	50	14.9	39	11.8	57	17.0	43	12.6	54	16.4
Crowley	34	11.0	43	12.9	36	12.2	51	15.9	51	15.6	42	12.3	41	9.4	32	7.1
Custer	15	13.2	8	7.0	28	18.7	22	10.5	26	12.3	25	11.9	17	8.4	24	11.9
Delta	212	13.8	234	13.3	359	16.7	323	13.5	290	12.6	259	11.5	236	10.6	241	10.9
Denver	10,044	19.4	7,437	14.9	8,430	17.1	8,952	17.5	9,183	17.8	8,856	17.3	8,375	16.7	8,252	16.6
Dolores	30	18.3	24	15.1	35	21.5	27	17.6	20	13.1	29	19.5	24	15.1	18	11.6
Douglas	149	17.3	154	10.4	346	13.6	679	18.5	772	18.7	853	19.6	991	21.3	1,129	22.9
Eagle	180	23.4	178	16.6	291	21.8	386	21.2	361	18.9	370	19.1	370	18.6	415	19.4
Elbert	37	9.4	72	14.5	105	15.3	109	12.9	129	14.9	147	15.9	125	12.9	122	12.8
El Paso	5,445	22.8	5,837	19.9	5,805	18.6	7,055	19.1	7,592	20.0	7,642	19.4	7,657	19.3	7,613	19.2
Fremont	309	14.0	307	11.6	401	13.9	364	12.0	401	13.4	364	12.2	350	11.6	366	12.1
Garfield	265	17.7	291	15.6	437	19.1	467	18.6	441	17.3	424	16.6	418	15.8	445	16.1
Gilpin	20	15.3	26	13.9	36	14.9	41	15.1	41	14.6	58	20.8	41	15.5	41	16.1
Grand	80	18.9	127	19.5	152	20.3	144	15.0	157	16.3	122	12.8	104	11.4	110	12.4
Gunnison	131	16.9	96	10.4	149	14.0	140	12.6	149	12.6	126	10.5	129	10.6	126	10.6
Hinsdale	6	29.1	6	17.2	2	5.3	5	13.4	6	16.7	8	20.9	3	8.4	5	14.7
Huerfano	90	13.8	94	14.1	90	14.1	85	11.8	83	11.5	71	10.0	78	11.3	59	8.6
Jackson	46	24.8	30	17.2	31	16.8	28	17.5	19	12.2	20	12.4	17	11.1	21	14.4
Jefferson	4,061	17.1	4,199	13.3	5,629	15.0	6,675	16.1	6,811	16.2	6,551	15.5	6,587	15.6	6,527	15.4
Kiowa	26	12.8	36	17.4	35	18.4	24	13.0	22	12.1	25	14.1	22	12.7	20	11.6
Kit Carson	132	17.4	146	18.9	141	18.7	119	15.4	108	14.2	118	15.6	119	15.6	112	14.8
Lake	225	27.0	144	16.6	247	28.0	109	15.7	94	14.2	89	14.2	82	13.7	93	15.1
La Plata	354	18.3	385	16.3	483	17.8	550	17.9	460	15.3	486	16.1	456	15.0	427	13.9
Larimer	1,615	17.7	1,638	13.6	2,360	15.7	2,785	16.4	2,784	16.0	2,660	15.0	2,773	15.4	2,665	14.6
Las Animas	264	16.7	211	13.4	235	15.8	185	13.0	183	12.9	191	13.2	183	12.8	155	11.1
Lincoln	59	12.1	55	10.9	84	18.3	76	16.5	80	17.9	67	14.9	81	17.5	56	12.1
Logan	325	17.2	311	16.0	341	17.2	288	14.6	264	13.9	257	13.7	232	12.2	243	12.8
Mesa	816	15.0	962	15.2	1,541	18.7	1,423	16.1	1,343	15.6	1,176	13.6	1,209	13.7	1,246	13.6
Mineral	13	16.4	7	8.8	17	21.7	16	20.9	12	17.3	14	21.5	7	11.6	9	17.1
Moffat	100	15.4	131	16.5	321	24.4	256	20.4	193	16.2	184	16.7	152	14.1	175	16.7
Montezuma	230	17.6	293	19.5	311	18.7	345	19.2	310	17.8	319	19.2	321	19.7	316	19.3
Montrose	330	17.9	291	14.1	479	19.5	348	13.6	300	11.9	276	10.8	299	11.5	286	10.8
Morgan	346	17.0	343	15.6	451	20.1	430	18.9	370	16.9	349	15.7	371	16.5	386	17.1
Otero	384	16.4	390	16.1	410	18.2	348	15.7	359	16.3	334	15.5	322	15.0	322	15.2
Ouray	27	17.5	26	14.2	23	12.1	33	16.8	20	11.0	24	12.3	26	13.1	22	11.0
Park	23	10.4	48	14.7	107	19.8	101	16.8	122	19.8	95	15.4	101	16.8	90	14.8
Phillips	57	13.9	69	16.1	62	13.8	61	13.6	73	16.1	45	9.9	54	12.1	52	11.8
Pitkin	124	19.5	108	11.9	116	11.3	144	11.9	181	13.9	159	12.0	153	11.3	168	11.9
Prowers	289	21.7	231	16.7	296	22.7	318	22.5	273	19.8	245	17.9	243	17.6	207	15.6
Pueblo	2,264	19.1	1,922	15.2	2,095	16.6	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.3	1,625	12.2
Rio Blanco	83	17.2	90	17.3	142	22.5	127	21.3	103	17.9	96	17.0	92	16.9	89	17.1
Rio Grande	198	18.9	171	15.7	210	19.9	240	21.0	219	18.6	193	16.6	181	15.9	195	17.8
Routt	126	18.7	147	15.0	253	18.9	222	15.2	206	14.3	181	12.5	199	13.8	220	14.9
Saguache	75	19.6	88	21.3	99	25.3	73	18.7	81	20.2	87	21.2	65	16.6	75	19.7
San Juan	20	24.1	24	26.9	27	33.0	24	32.1	10	13.5	17	21.1	10	13.4	7	9.3
San Miguel	37	18.8	37	16.3	57	18.1	63	18.1	52	13.9	47	11.9	63	15.3	43	10.1

PLACE	1970 NUMBER	1970 RATE	1975 NUMBER	1975 RATE	1980 NUMBER	1980 RATE	1985 NUMBER	1985 RATE	1986 NUMBER	1986 RATE	1987 NUMBER	1987 RATE	1988 NUMBER	1988 RATE	1989 NUMBER	1989 RATE
Sedgwick	48	14.1	59	17.3	44	13.7	30	9.7	36	12.3	31	10.6	35	11.9	28	9.6
Summit	56	20.1	95	16.0	177	19.9	243	17.8	236	16.6	188	13.9	203	14.8	196	13.8
Teller	67	19.8	87	14.9	143	17.7	202	19.1	209	19.1	191	16.7	179	15.8	190	17.0
Washington	74	13.4	74	14.3	87	16.6	68	12.8	77	15.1	75	14.7	52	10.3	53	10.9
Weld	1,629	18.1	1,805	16.6	2,200	17.8	2,262	16.6	2,159	15.7	2,143	15.3	2,120	14.9	2,164	15.1
Yuma	117	13.7	149	16.9	169	17.5	145	14.6	145	15.0	125	13.1	111	11.4	92	9.8
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	967	15.9	1,005	15.9	1,154	17.8	1,022	15.6	965	15.3	882	14.0	855	13.4	854	13.5
2	3,244	17.9	3,443	15.0	4,560	16.7	5,047	16.4	4,943	15.9	4,803	15.1	4,893	15.2	4,829	14.8
3	23,213	18.5	21,374	14.8	27,004	16.5	31,481	17.2	31,717	17.1	31,027	16.7	30,630	16.5	30,271	16.3
4	5,535	22.6	5,972	19.7	6,055	18.6	7,358	19.1	7,923	20.0	7,928	19.3	7,937	19.2	7,893	19.0
5	267	14.2	319	16.0	362	17.1	359	15.4	352	15.2	369	15.7	373	15.3	336	13.8
6	911	16.9	879	15.9	961	18.6	904	17.4	818	16.0	785	15.6	780	15.1	696	13.8
7	2,264	19.1	1,922	15.2	2,095	16.6	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.3	1,625	12.2
8	719	19.2	675	17.2	806	21.3	780	19.6	734	18.1	761	18.7	693	17.2	704	17.9
9	686	18.2	782	17.7	932	18.7	1,047	18.6	896	16.3	939	17.3	902	16.7	852	15.6
10	743	16.5	690	13.3	1,069	17.2	912	13.7	817	12.4	740	11.2	756	11.3	723	10.8
11	1,264	15.6	1,474	15.5	2,441	19.5	2,273	17.2	2,080	16.1	1,880	14.6	1,871	14.3	1,955	14.5
12	612	20.6	685	15.7	1,020	18.5	1,167	16.7	1,160	16.1	1,040	14.5	1,046	14.5	1,130	15.1
13	701	16.7	620	12.8	932	17.8	651	12.6	690	13.5	607	12.0	597	11.8	615	12.1
14	354	15.8	305	13.6	325	15.3	270	12.6	266	12.4	262	12.2	261	12.3	214	10.3
METRO/NON-METRO:																
Denver PMSA	20,745	18.6	19,115	15.1	24,125	16.8	27,974	17.4	28,281	17.4	27,587	16.9	27,246	16.8	26,885	16.5
Denver CMSA	23,105	18.5	21,203	14.8	26,832	16.5	31,300	17.2	31,553	17.1	30,838	16.7	30,477	16.5	30,115	16.3
Total Metro	34,058	19.1	32,405	15.5	39,292	16.8	45,246	17.2	45,869	17.2	45,063	16.7	44,779	16.6	44,182	16.3
Non-Metro	7,422	16.8	7,740	15.5	10,424	18.5	9,869	16.3	9,273	15.4	8,740	14.6	8,567	14.2	8,515	14.0
FIVE-REGION SUBSTATE GROUPS:																
Front Range	34,058	19.1	32,405	15.5	39,292	16.8	45,246	17.2	45,869	17.2	45,063	16.7	44,779	16.6	44,182	16.3
Western Slope	3,305	17.1	3,631	15.5	5,462	18.7	5,399	16.6	4,953	15.4	4,599	14.3	4,575	14.1	4,660	14.1
Eastern Plains	2,145	16.1	2,203	15.9	2,477	18.0	2,285	16.3	2,135	15.5	2,036	14.9	2,008	14.4	1,886	13.7
San Luis Valley	719	19.2	675	17.2	806	21.3	780	19.6	734	18.1	761	18.7	693	17.2	704	17.9
Eastern Mtns	1,253	16.5	1,231	14.0	1,679	17.3	1,405	14.0	1,451	14.5	1,344	13.4	1,291	13.0	1,265	12.8
POPULATION-BASED REGION:																
1 Denver	10,044	19.4	7,437	14.9	8,430	17.1	8,952	17.5	9,183	17.8	8,856	17.3	8,375	16.7	8,252	16.6
2 Jefferson	4,061	17.1	4,199	13.3	5,629	15.0	6,675	16.1	6,811	16.2	6,551	15.5	6,587	15.6	6,527	15.4
3 Boulder	2,360	17.7	2,088	12.5	2,707	14.2	3,326	15.8	3,272	15.3	3,251	15.0	3,231	14.7	3,230	14.4
4 Adams	3,787	20.2	4,029	18.4	4,773	19.3	5,210	19.4	5,101	19.0	5,058	18.7	5,024	18.7	4,777	17.9
5 Arapahoe	2,704	16.5	3,296	15.0	4,947	16.6	6,458	17.0	6,414	16.7	6,269	16.2	6,269	16.3	6,200	16.1
6 El Paso	5,445	22.8	5,837	19.9	5,805	18.6	7,055	19.1	7,592	20.0	7,642	19.4	7,657	19.3	7,613	19.2
7 Larimer	1,615	17.7	1,638	13.6	2,360	15.7	2,785	16.4	2,784	16.0	2,660	15.0	2,773	15.4	2,665	14.6
8 Pueblo	2,264	19.1	1,922	15.2	2,095	16.6	1,844	14.5	1,781	13.9	1,780	13.7	1,752	13.3	1,625	12.2
9 Weld	1,629	18.1	1,805	16.6	2,200	17.8	2,262	16.6	2,159	15.7	2,143	15.3	2,120	14.9	2,164	15.1
10 Northwest Reg	1,264	15.6	1,474	15.5	2,441	19.5	2,273	17.2	2,080	16.1	1,880	14.6	1,871	14.3	1,955	14.5
11 Western Reg	1,355	18.1	1,375	14.4	2,089	17.8	2,079	15.3	1,977	14.3	1,780	12.9	1,802	13.0	1,853	13.1
12 Eastern Reg	2,145	16.1	2,203	15.9	2,477	18.0	2,285	16.3	2,135	15.5	2,036	14.9	2,008	14.4	1,886	13.7
13 Central Reg	1,048	16.8	1,080	13.5	1,700	16.8	1,814	15.7	1,957	16.3	1,935	15.9	2,021	16.3	2,180	17.1
14 Southern Reg	1,759	18.0	1,762	16.6	2,063	18.9	2,097	17.8	1,896	16.2	1,962	16.8	1,856	16.1	1,770	15.4

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 40. General Fertility Rates by County and Region: Colorado Residents, 1980, 1985-89

PLACE	1980 NUMBER	1980 RATE	1985 NUMBER	1985 RATE	1986 NUMBER	1986 RATE	1987 NUMBER	1987 RATE	1988 NUMBER	1988 RATE	1989 NUMBER	1989 RATE	AVERAGE ANNUAL RATE 1985-89
Colorado	49,716	67.5	55,115	67.3	55,142	67.1	53,803	65.5	53,346	65.6	52,697	65.3	66.2
Adams	4,773	73.9	5,210	76.3	5,101	75.5	5,058	75.3	5,024	76.0	4,777	74.0	75.4
Alamosa	229	76.5	258	84.1	246	79.4	273	89.0	264	85.6	234	77.6	83.1
Arapahoe	4,947	62.1	6,458	63.3	6,414	62.7	6,269	62.0	6,269	63.9	6,200	64.2	63.2
Archuleta	76	94.2	101	87.4	96	81.1	88	75.3	91	82.4	84	73.3	79.9
Baca	90	85.6	83	89.3	57	67.1	74	87.8	76	87.3	51	60.5	78.6
Bent	94	85.6	80	72.0	56	49.6	65	60.7	76	69.8	64	61.5	62.7
Boulder	2,707	49.9	3,326	56.4	3,272	55.4	3,251	54.9	3,231	54.1	3,230	53.7	54.9
Chaffee	256	92.4	156	60.1	169	64.3	129	49.1	148	56.7	132	50.1	56.1
Cheyenne	32	79.4	55	117.3	35	78.8	37	85.8	48	101.3	46	88.0	94.4
Clear Creek	136	75.1	140	77.2	123	66.1	131	75.7	112	67.9	115	72.1	71.8
Conejos	192	121.2	143	85.0	137	78.4	137	76.0	133	76.0	137	80.8	79.2
Costilla	59	95.0	50	69.9	39	55.8	57	80.3	43	59.6	54	78.3	68.7
Crowley	36	68.2	51	81.0	51	79.7	42	61.5	41	57.9	32	43.2	63.8
Custer	28	92.1	22	48.2	26	56.2	25	54.7	17	39.1	24	56.5	51.0
Delta	359	85.8	323	66.7	290	62.9	259	57.2	236	52.6	241	54.2	58.9
Denver	8,430	68.8	8,952	69.7	9,183	71.0	8,856	69.4	8,375	67.7	8,252	67.9	69.2
Dolores	35	108.7	27	87.7	20	65.4	29	98.0	24	74.8	18	58.6	76.7
Douglas	346	53.6	679	68.9	772	69.9	853	73.6	991	80.2	1,129	86.6	76.4
Eagle	291	71.2	386	71.7	361	64.5	370	66.1	370	65.0	415	68.6	67.2
Elbert	105	64.1	109	50.7	129	58.2	147	62.3	125	50.5	122	50.7	54.4
El Paso	5,805	73.7	7,055	78.4	7,592	82.8	7,642	81.1	7,657	81.8	7,613	82.2	81.3
Fremont	401	73.8	364	60.7	401	67.8	364	61.4	350	58.3	366	60.8	61.8
Garfield	437	76.1	467	75.8	441	71.6	424	69.6	418	66.9	445	67.9	70.3
Gilpin	36	58.6	41	62.3	41	60.5	58	88.1	41	69.0	41	75.6	70.9
Grand	152	76.5	144	54.9	157	60.1	122	47.7	104	43.0	110	47.2	50.8
Gunnison	149	47.1	140	43.5	149	43.4	126	36.4	129	37.0	126	37.1	39.4
Hinsdale	2	23.3	5	58.8	6	77.9	8	96.4	3	42.3	5	82.0	71.6
Huerfano	90	76.5	85	58.9	83	57.0	71	50.2	78	56.9	59	43.6	53.4
Jackson	31	70.8	28	79.3	19	56.2	20	56.3	17	51.1	21	67.1	62.1
Jefferson	5,[illegible]	58.0	6,675	61.7	6,811	62.9	6,551	61.0	6,587	62.4	6,527	62.8	62.2
Kiowa	35	116.3	24	80.0	22	74.6	25	86.8	22	78.0	20	70.9	78.1
Kit Carson	141	92.2	119	74.1	108	68.8	118	76.1	119	75.9	112	71.7	73.3
Lake	247	109.3	109	66.2	94	60.5	89	61.8	82	60.5	93	65.4	62.9
La Plata	483	69.0	550	67.5	460	58.5	486	62.4	456	59.0	427	54.8	60.5
Larimer	2,360	56.9	2,785	59.6	2,784	58.4	2,660	55.1	2,773	57.4	2,665	54.7	57.0
Las Animas	235	82.3	185	65.5	183	64.9	191	65.3	183	63.3	155	54.7	62.8
Lincoln	84	95.5	76	85.8	80	95.5	67	80.0	81	93.0	56	65.1	83.9
Logan	341	77.2	288	65.4	264	63.2	257	62.9	232	55.8	243	58.9	61.3
Mesa	1,541	78.2	1,423	67.9	1,343	66.6	1,176	58.8	1,209	59.8	1,246	59.7	62.6
Mineral	17	93.9	16	94.1	12	79.5	14	102.2	7	61.4	9	91.8	86.6
Moffat	321	97.8	256	85.7	193	69.9	184	74.0	152	63.3	175	77.1	74.4
Montezuma	311	84.2	345	87.4	310	83.0	319	90.9	321	94.4	316	93.0	89.6
Montrose	479	88.4	348	63.0	300	55.5	276	50.9	299	54.1	286	51.2	55.0
Morgan	451	91.9	430	88.2	370	80.3	349	74.8	371	79.0	386	82.2	81.0
Otero	410	88.2	348	74.6	359	77.8	334	74.5	322	71.9	322	73.4	74.5
Ouray	23	52.8	33	73.8	20	50.1	24	55.7	26	59.6	22	50.2	58.1
Park	107	79.4	101	67.0	122	79.4	95	62.5	101	68.9	90	61.7	68.0
Phillips	62	74.0	61	71.8	73	84.4	45	52.0	54	63.6	52	62.8	67.0
Pitkin	116	33.7	144	37.2	181	44.0	159	38.2	153	36.7	168	39.1	39.1
Prowers	296	105.5	318	103.9	273	92.4	245	84.4	243	82.7	207	74.4	87.9
Pueblo	2,095	74.4	1,844	63.5	1,781	60.3	1,780	59.4	1,752	57.4	1,625	52.9	58.6
Rio Blanco	142	95.6	127	95.8	103	84.0	96	80.7	92	82.9	89	86.7	86.3
Rio Grande	210	94.0	240	98.2	219	87.3	193	78.6	181	76.1	195	87.2	85.5
Routt	253	66.1	222	54.6	206	52.0	181	45.7	199	50.9	220	55.8	51.8
Saguache	99	121.9	73	92.5	81	100.5	87	106.4	65	85.1	75	102.7	97.5
San Juan	27	134.3	24	140.4	10	58.1	17	90.9	10	60.2	7	40.9	78.4
San Miguel	57	64.5	63	67.2	52	50.8	47	43.5	63	55.6	43	36.4	50.0

PLACE	1980		1985		1986		1987		1988		1989		AVERAGE ANNUAL
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	RATE 1985-89
Sedgwick	44	78.2	30	53.2	36	67.0	31	57.0	35	62.8	28	50.8	58.1
Summit	177	62.8	243	57.6	236	53.8	188	45.8	203	49.0	196	46.3	50.6
Teller	143	71.1	202	73.8	209	74.6	191	65.7	179	63.3	190	69.3	69.3
Washington	87	86.4	68	66.7	77	80.0	75	78.4	52	55.0	53	59.2	68.0
Weld	2,200	67.8	2,262	63.2	2,159	60.2	2,143	58.7	2,120	57.4	2,164	58.4	59.6
Yuma	169	88.3	145	72.9	145	75.3	125	65.8	111	56.8	92	48.9	64.0
PLANNING AND MANAGEMENT REGIONS:													
PMR 1	1,154	84.6	1,022	74.6	965	73.8	882	67.8	855	65.0	854	65.8	69.4
2	4,560	61.7	5,047	61.2	4,943	59.2	4,803	56.7	4,893	57.4	4,829	56.3	58.1
3	27,004	63.2	31,481	65.8	31,717	66.0	31,027	65.1	30,630	65.5	30,271	65.5	65.6
4	6,055	73.7	7,358	78.1	7,923	82.5	7,928	80.4	7,937	81.1	7,893	81.6	80.7
5	362	81.4	359	70.2	352	69.5	369	71.2	373	69.2	336	62.8	68.5
6	961	92.1	904	84.5	818	78.0	785	76.4	780	75.2	696	69.1	76.8
7	2,095	74.4	1,844	63.5	1,781	60.3	1,780	59.4	1,752	57.4	1,625	52.9	58.6
8	806	95.6	780	87.9	734	81.4	761	84.6	693	78.7	704	83.2	83.2
9	932	77.5	1,047	76.3	896	67.6	939	72.5	902	70.9	852	66.5	70.8
10	1,069	75.4	912	60.6	817	54.7	740	49.3	756	49.9	723	47.9	52.5
11	2,441	80.8	2,273	72.3	2,080	68.7	1,880	63.2	1,871	62.4	1,955	63.6	66.1
12	1,020	61.5	1,167	56.9	1,160	55.2	1,040	50.2	1,046	50.6	1,130	53.4	53.3
13	932	86.6	651	60.9	690	65.4	607	58.1	597	57.4	615	58.6	60.1
14	325	80.6	270	63.2	266	62.3	262	60.4	261	61.2	214	51.1	59.7
METRO/NON-METRO:													
Denver PMSA	24,125	65.1	27,974	67.1	28,281	67.6	27,587	66.5	27,246	67.1	26,885	67.3	67.1
Denver CMSA	26,832	63.2	31,300	65.8	31,553	66.1	30,838	65.1	30,477	65.5	30,115	65.5	65.6
Total Metro	39,292	64.9	45,246	66.8	45,869	67.2	45,063	66.0	44,779	66.4	44,182	66.1	66.5
Non-Metro	10,424	79.8	9,869	70.1	9,273	66.8	8,740	63.6	8,567	62.3	8,515	61.8	65.0
FIVE-REGION SUBSTATE GROUPS:													
Front Range	39,292	64.9	45,246	66.8	45,869	67.2	45,063	66.0	44,779	66.4	44,182	66.1	66.5
Western Slope	5,462	74.8	5,399	66.9	4,953	62.3	4,599	58.6	4,575	58.3	4,660	58.4	60.9
Eastern Plains	2,477	86.8	2,285	77.4	2,135	74.6	2,036	71.5	2,008	69.4	1,886	66.4	71.9
San Luis Valley	806	95.6	780	87.9	734	81.4	761	84.6	693	78.7	704	83.2	83.2
Eastern Mtns	1,679	81.6	1,405	64.8	1,451	66.9	1,344	62.2	1,291	60.9	1,265	60.2	63.0
POPULATION-BASED REGIONS:													
1 Denver	8,430	68.8	8,952	69.7	9,183	71.0	8,856	69.4	8,375	67.7	8,252	67.9	69.2
2 Jefferson	5,629	58.0	6,675	61.7	6,811	62.9	6,551	61.0	6,587	62.4	6,527	62.8	62.2
3 Boulder	2,707	49.9	3,326	56.4	3,272	55.4	3,251	54.9	3,231	54.1	3,230	53.7	54.9
4 Adams	4,773	73.9	5,210	76.3	5,101	75.5	5,058	75.3	5,024	76.0	4,777	74.0	75.4
5 Arapahoe	4,947	62.1	6,458	63.3	6,414	62.7	6,269	62.0	6,269	63.9	6,200	64.2	63.2
6 El Paso	5,805	73.7	7,055	78.4	7,592	82.8	7,642	81.1	7,657	81.8	7,613	82.2	81.3
7 Larimer	2,360	56.9	2,785	59.6	2,784	58.4	2,660	55.1	2,773	57.4	2,665	54.7	57.0
8 Pueblo	2,095	74.4	1,844	63.5	1,781	60.3	1,780	59.4	1,752	57.4	1,625	52.9	58.6
9 Weld	2,200	67.8	2,262	63.2	2,159	60.2	2,143	58.7	2,120	57.4	2,164	58.4	59.6
10 Northwest Reg	2,441	80.8	2,273	72.3	2,080	68.7	1,880	63.2	1,871	62.4	1,955	63.6	66.1
11 Western Reg	2,089	67.9	2,079	58.4	1,977	55.0	1,780	49.8	1,802	50.3	1,853	51.1	52.9
12 Eastern Reg	2,477	86.8	2,285	77.4	2,135	74.6	2,036	71.5	2,008	69.4	1,886	66.4	71.9
13 Central Reg	1,700	73.9	1,814	66.5	1,957	68.7	1,935	67.1	2,021	69.0	2,180	73.0	68.9
14 Southern Reg	2,063	84.2	2,097	78.0	1,896	71.4	1,962	74.7	1,856	71.9	1,770	69.5	73.2

Rates are per 1,000 population aged 15-44. Rates based on few actual cases must be viewed with caution.
See inside back cover for descriptions of regions.

Table 41. Live Births and Fertility Rates by Age of Women by County and Region: Colorado Residents, 1989

	10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49	UNKNOWN/ NOT STATED
PLACE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	
Colorado	82	0.7	5,846	53.5	12,847	106.8	16,612	117.6	12,055	75.5	4,593	30.0	637	5.1	15	10
Adams	10	1.0	636	73.7	1,432	188.4	1,564	137.8	849	60.2	254	19.6	31	3.1	0	1
Alamosa	2	4.0	39	72.2	87	201.9	68	149.5	21	35.7	14	24.8	3	6.9	0	0
Arapahoe	4	0.3	447	37.0	1,213	157.7	2,085	149.9	1,687	76.3	679	29.9	80	4.4	4	1
Archuleta	0	0.0	9	47.6	19	111.1	25	145.3	17	81.3	12	54.3	2	10.9	0	0
Baca	0	0.0	9	76.3	15	129.3	14	94.0	11	67.9	2	12.9	0	0.0	0	0
Bent	0	0.0	17	104.9	15	102.0	18	109.1	11	55.8	2	9.7	1	6.1	0	0
Boulder	5	0.8	210	26.7	527	46.4	1,021	91.5	970	93.7	438	41.5	57	6.8	2	0
Chaffee	0	0.0	14	32.0	33	72.2	34	79.6	32	71.7	16	34.5	3	7.5	0	0
Cheyenne	0	0.0	4	74.1	14	259.3	16	153.8	9	70.3	3	27.8	0	0.0	0	0
Clear Creek	0	0.0	7	36.1	15	172.4	32	219.2	44	120.9	17	37.4	0	0.0	0	0
Conejos	0	0.0	23	83.3	39	149.4	42	130.4	21	63.8	10	34.8	2	9.1	0	0
Costilla	0	0.0	5	53.2	17	175.3	13	94.9	10	65.8	5	42.0	2	22.0	1	1
Crowley	0	0.0	6	84.5	13	146.1	7	43.5	4	23.3	2	13.9	0	0.0	0	0
Custer	0	0.0	1	21.3	6	240.0	7	106.1	6	53.6	2	19.2	2	28.2	0	0
Delta	1	1.3	46	57.9	65	88.7	68	104.8	38	52.2	21	26.1	2	2.7	0	0
Denver	30	2.0	1,271	102.3	2,081	103.9	2,296	92.1	1,693	68.2	767	34.3	111	6.6	0	3
Dolores	0	0.0	6	127.7	7	155.6	3	56.6	0	0.0	2	36.4	0	0.0	0	0
Douglas	0	0.0	26	13.7	104	45.3	456	192.5	394	167.0	130	59.5	19	9.9	0	0
Eagle	1	1.7	18	30.8	71	65.7	118	76.3	136	104.4	63	71.6	8	12.2	0	0
Elbert	0	0.0	6	16.6	20	53.9	44	117.6	36	88.2	14	30.6	2	4.6	0	0
El Paso	3	0.2	869	63.1	2,287	143.5	2,422	143.6	1,494	82.9	467	29.7	69	5.6	1	1
Fremont	0	0.0	47	48.7	129	125.1	106	99.7	56	51.4	22	21.5	6	7.1	0	0
Garfield	0	0.0	36	43.1	110	132.2	137	126.0	108	78.1	48	35.2	6	5.7	0	0
Gilpin	0	0.0	2	35.1	6	230.8	11	234.0	13	105.7	8	50.6	1	7.6	0	0
Grand	0	0.0	13	55.1	18	59.2	28	55.3	33	64.7	15	34.0	3	9.0	0	0
Gunnison	0	0.0	9	14.5	21	22.8	35	59.5	36	79.5	23	50.3	2	5.6	0	0
Hinsdale	0	0.0	0	0.0	1	166.7	2	200.0	0	0.0	2	133.3	0	0.0	0	0
Huerfano	0	0.0	6	34.1	21	141.9	21	95.5	7	23.1	2	7.1	2	8.9	0	0
Jackson	0	0.0	0	0.0	5	161.3	10	277.8	3	50.0	1	13.5	1	15.2	0	1
Jefferson	6	0.4	474	32.7	1,254	97.2	2,309	147.3	1,746	86.7	641	29.7	94	4.9	2	1
Kiowa	0	0.0	1	23.8	3	73.2	8	163.3	4	67.8	3	65.2	1	22.2	0	0
Kit Carson	0	0.0	12	50.8	36	174.8	41	154.1	15	50.0	7	23.8	1	3.9	0	0
Lake	0	0.0	21	101.9	24	153.8	31	130.3	13	39.9	3	10.4	1	4.8	0	0
La Plata	1	1.1	42	37.3	100	80.1	118	81.0	123	80.6	40	29.2	3	2.8	0	0
Larimer	3	0.6	265	33.4	520	51.1	877	103.3	718	90.3	244	31.5	37	5.8	1	0
Las Animas	0	0.0	35	86.2	49	126.6	35	67.0	24	41.2	9	17.2	3	7.3	0	0
Lincoln	0	0.0	2	20.0	27	236.8	19	106.7	7	38.5	1	6.6	0	0.0	0	0
Logan	0	0.0	27	54.2	74	128.5	79	94.3	51	58.5	10	13.4	2	3.3	0	0
Mesa	2	0.6	164	59.0	371	126.8	355	95.9	244	58.3	95	23.7	15	4.6	0	0
Mineral	0	0.0	1	100.0	1	71.4	5	333.3	1	52.6	1	50.0	0	0.0	0	0
Moffat	0	0.0	30	93.5	48	390.2	53	230.4	34	68.0	9	15.2	1	2.0	0	0
Montezuma	0	0.0	43	71.9	102	231.8	80	190.0	58	96.8	27	38.0	5	7.9	1	0
Montrose	0	0.0	45	60.4	95	138.9	77	83.1	54	48.3	14	12.5	1	1.0	0	0
Morgan	0	0.0	73	117.9	136	234.1	102	122.7	59	59.5	14	15.0	1	1.3	1	0
Otero	1	1.3	62	96.1	96	144.1	96	123.2	48	58.5	17	21.5	2	2.9	0	0
Ouray	0	0.0	1	18.5	5	104.2	8	137.9	6	75.0	2	19.6	0	0.0	0	0
Park	0	0.0	3	12.7	15	82.4	35	241.4	23	95.4	12	34.6	2	6.5	0	0
Phillips	0	0.0	7	56.5	16	158.4	17	132.8	9	58.1	3	17.8	0	0.0	0	0
Pitkin	0	0.0	2	5.4	12	18.2	39	36.3	79	74.5	32	53.2	4	7.6	0	0
Prowers	1	1.8	31	75.8	70	197.2	66	148.6	33	59.2	5	8.8	1	2.2	0	0
Pueblo	6	1.3	308	64.1	476	87.8	459	81.8	264	46.5	94	18.5	17	4.1	1	0
Rio Blanco	0	0.0	6	42.3	31	329.8	25	176.1	20	90.5	6	26.4	1	5.0	0	0
Rio Grande	0	0.0	36	105.0	64	239.7	56	161.8	28	61.0	9	20.0	2	5.4	0	0
Routt	0	0.0	7	18.2	34	80.0	51	53.9	87	97.8	39	55.2	2	3.4	0	0
Saguache	0	0.0	12	120.0	22	217.8	22	176.0	16	111.9	3	21.3	0	0.0	0	0
San Juan	0	0.0	0	0.0	2	181.8	1	40.0	1	24.4	2	42.6	1	31.3	0	0
San Miguel	0	0.0	1	6.8	6	39.0	12	42.0	9	32.8	12	67.4	2	14.1	1	0

PLACE	10-14 NUMBER	10-14 RATE	15-19 NUMBER	15-19 RATE	20-24 NUMBER	20-24 RATE	25-29 NUMBER	25-29 RATE	30-34 NUMBER	30-34 RATE	35-39 NUMBER	35-39 RATE	40-44 NUMBER	40-44 RATE	45-49 NUMBER	UNKNOWN/ NOT STATED
Sedgwick	0	0.0	1	9.6	10	120.5	11	126.4	5	53.2	1	10.5	0	0.0	0	0
Summit	0	0.0	3	8.6	30	38.0	60	52.2	61	68.2	39	62.5	3	7.0	0	0
Teller	0	0.0	11	29.5	29	75.3	59	140.8	55	110.9	34	60.6	2	3.9	0	0
Washington	0	0.0	10	75.8	10	101.0	21	155.6	9	49.7	3	16.1	0	0.0	0	0
Weld	6	1.2	321	50.3	654	92.0	651	107.2	398	60.5	116	19.2	18	3.7	0	0
Yuma	0	0.0	7	23.6	34	149.8	31	112.3	14	38.9	5	13.0	0	0.0	0	1
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	0	0.0	125	70.5	280	168.0	261	113.7	147	55.4	36	14.3	3	1.4	1	1
2	9	0.9	586	40.9	1,174	67.9	1,528	104.9	1,116	76.8	360	26.1	55	4.9	1	0
3	55	0.9	3,073	53.3	6,632	107.0	9,774	122.8	7,396	78.4	2,934	31.5	393	5.3	8	6
4	3	0.2	883	61.4	2,331	141.2	2,516	144.3	1,572	83.8	513	30.9	73	5.6	1	1
5	0	0.0	24	32.0	97	130.2	120	130.2	67	65.8	25	24.7	3	3.3	0	0
6	2	1.1	126	87.1	212	149.9	209	119.6	111	56.4	31	16.2	5	3.1	0	0
7	6	1.3	308	64.1	476	87.8	459	81.8	264	46.5	94	18.5	17	4.1	1	0
8	2	1.3	116	85.1	230	196.4	206	147.1	97	57.4	42	26.6	9	7.2	1	1
9	1	0.5	100	50.6	230	120.0	227	106.7	199	81.9	83	34.6	11	5.6	1	0
10	1	0.5	102	43.1	193	75.8	202	80.2	143	53.6	74	27.6	7	3.0	1	0
11	2	0.4	236	57.9	560	140.8	570	110.5	406	64.6	158	25.5	23	4.6	0	0
12	1	0.5	43	21.8	170	51.7	306	58.2	399	84.6	189	56.8	21	8.1	0	1
13	0	0.0	83	50.2	192	115.0	178	99.2	107	54.2	43	22.9	12	7.8	0	0
14	0	0.0	41	70.4	70	130.8	56	75.5	31	35.0	11	13.7	5	7.8	0	0
METRO/NON-METRO:																
Denver PMSA	50	0.9	2,854	57.6	6,084	120.4	8,710	127.7	6,369	76.3	2,471	30.2	335	5.1	6	6
Denver CMSA	55	0.9	3,064	53.4	6,611	106.8	9,731	122.6	7,339	78.2	2,909	31.5	392	5.3	8	6
Total Metro	73	0.8	4,827	53.5	10,548	104.9	14,140	121.4	10,213	77.3	3,830	30.2	533	5.2	11	7
Non-Metro	9	0.4	1,019	54.1	2,299	117.2	2,472	100.0	1,842	66.9	763	29.5	104	4.9	4	3
FIVE-REGION SUBSTATE GROUPS:																
Front Range	73	0.8	4,827	53.5	10,548	104.9	14,140	121.4	10,213	77.3	3,830	30.2	533	5.2	11	7
West Slope	5	0.4	481	46.3	1,153	98.3	1,305	86.6	1,147	71.2	504	34.5	62	5.2	2	1
East Plains	2	0.4	275	69.3	589	153.9	590	118.9	325	57.6	92	16.9	11	2.4	1	1
San Luis Val	2	1.3	116	85.1	230	196.4	206	147.1	97	57.4	42	26.6	9	7.2	1	1
Eastern Mtns	0	0.0	147	47.4	327	113.4	371	112.7	273	66.9	125	29.7	22	6.4	0	0
POPULATION-BASED REGIONS:																
1 Denver	30	2.0	1,271	102.3	2,081	103.9	2,296	92.1	1,693	68.2	767	34.3	111	6.6	0	3
2 Jefferson	6	0.4	474	32.7	1,254	97.2	2,309	147.3	1,746	86.7	641	29.7	94	4.9	2	1
3 Boulder	5	0.8	210	26.7	527	46.4	1,021	91.5	970	93.7	438	41.5	57	6.8	2	0
4 Adams	10	1.0	636	73.7	1,432	188.4	1,564	137.8	849	60.2	254	19.6	31	3.1	0	1
5 Arapahoe	4	0.3	447	37.0	1,213	157.7	2,085	149.9	1,687	76.3	679	29.9	80	4.4	4	1
6 El Paso	3	0.2	869	63.1	2,287	143.5	2,422	143.6	1,494	82.9	467	29.7	69	5.6	1	1
7 Larimer	3	0.6	265	33.4	520	51.1	877	103.3	718	90.3	244	31.5	37	5.8	1	0
8 Pueblo	6	1.3	308	64.1	476	87.8	459	81.8	264	46.5	94	18.5	17	4.1	1	0
9 Weld	6	1.2	321	50.3	654	92.0	651	107.2	398	60.5	116	19.2	18	3.7	0	0
10 Northwest	2	0.4	236	57.9	560	140.8	570	110.5	406	64.6	158	25.5	23	4.6	0	0
11 Western	2	0.5	145	33.5	363	62.2	508	65.3	542	73.4	263	43.8	28	5.7	1	1
12 Eastern	2	0.4	275	69.3	589	153.9	590	118.9	325	57.6	92	16.9	11	2.4	1	1
13 Central	0	0.0	132	29.9	361	77.7	771	156.7	636	114.5	244	43.7	36	7.6	0	0
14 Southern	3	0.7	257	65.5	530	146.3	489	114.5	327	65.3	136	28.4	25	6.5	2	1

Rates are live births per 1,000 women in each age group. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

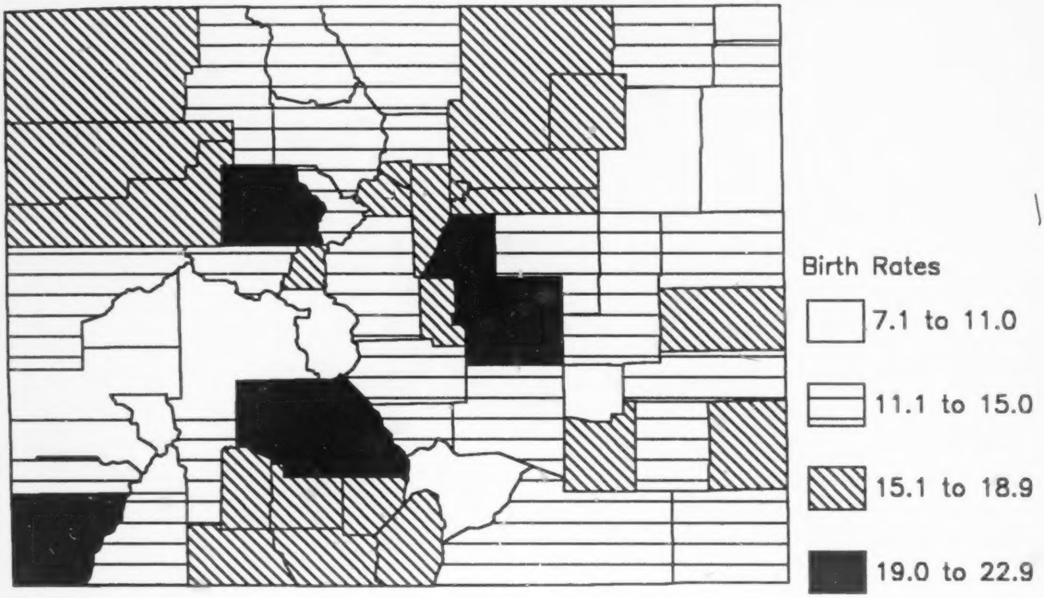
Table 42. Live Births and Fertility Rates by Teen Age Group: Colorado Residents, 1989

	13-19		12	13-14		15-17		18-19	
PLACE	NUMBER	RATE	NUMBER	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	5,925	38.8	3	79	1.8	1,983	30.5	3,863	87.1
Adams	646	51.8	0	10	2.6	240	44.6	396	122.1
Alamosa	41	55.6	0	2	10.1	13	39.4	26	123.8
Arapahoe	451	25.7	0	4	0.7	158	20.3	289	67.4
Archuleta	9	33.5	0	0	0.0	3	25.9	6	82.2
Baca	9	52.6	0	0	0.0	4	55.6	5	108.7
Bent	17	72.3	0	0	0.0	10	100.0	7	112.9
Boulder	215	20.4	0	5	1.9	70	16.1	140	39.9
Chaffee	14	23.7	0	0	0.0	4	15.6	10	55.2
Cheyenne	4	46.5	0	0	0.0	0	0.0	4	210.5
Clear Creek	7	23.0	0	0	0.0	2	15.2	5	80.6
Conejos	23	57.1	0	0	0.0	9	52.6	14	133.3
Costilla	5	36.5	0	0	0.0	4	69.0	1	27.8
Crowley	6	57.7	0	0	0.0	2	46.5	4	142.9
Custer	1	13.5	0	0	0.0	1	31.3	0	0.0
Delta	47	42.8	0	1	3.3	20	41.8	26	82.0
Denver	1,298	72.5	3	27	4.9	463	66.0	808	149.5
Dolores	6	85.7	0	0	0.0	2	69.0	4	222.2
Douglas	26	9.8	0	0	0.0	6	5.4	20	25.3
Eagle	19	23.8	0	1	4.6	6	19.1	12	44.4
Elbert	6	11.9	0	0	0.0	1	4.6	5	34.5
El Paso	872	45.8	0	3	0.6	230	28.5	639	111.9
Fremont	47	35.7	0	0	0.0	15	26.4	32	80.6
Garfield	36	29.8	0	0	0.0	13	25.3	23	71.4
Gilpin	2	24.1	0	0	0.0	0	0.0	2	105.3
Grand	13	36.6	0	0	0.0	0	0.0	13	141.3
Gunnison	9	11.9	0	0	0.0	3	9.3	6	20.2
Hinsdale	0	0.0	0	0	0.0	0	0.0	0	0.0
Huerfano	6	22.6	0	0	0.0	2	17.9	4	62.5
Jackson	0	0.0	0	0	0.0	0	0.0	0	0.0
Jefferson	480	23.8	0	6	1.1	159	18.0	315	55.5
Kiowa	1	15.9	0	0	0.0	1	38.5	0	0.0
Kit Carson	12	34.7	0	0	0.0	2	13.5	10	113.6
Lake	21	68.4	0	0	0.0	4	30.1	17	232.9
La Plata	43	28.8	0	1	2.7	12	18.4	30	63.3
Larimer	268	26.3	0	3	1.3	82	18.7	183	51.5
Las Animas	35	58.8	0	0	0.0	11	43.7	24	155.8
Lincoln	2	14.0	0	0	0.0	1	16.4	1	25.6
Logan	27	37.1	0	0	0.0	7	23.2	20	102.0
Mesa	166	41.3	0	2	1.6	56	33.1	108	99.4
Mineral	1	71.4	0	0	0.0	0	0.0	1	250.0
Moffat	30	60.0	0	0	0.0	6	27.3	24	237.6
Montezuma	43	48.6	0	0	0.0	17	44.7	26	119.3
Montrose	45	41.1	0	0	0.0	17	36.5	28	100.4
Morgan	73	79.5	0	0	0.0	25	64.4	48	207.8
Otero	63	67.6	0	1	3.5	20	51.0	42	166.0
Ouray	1	12.7	0	0	0.0	0	0.0	1	50.0
Park	3	9.1	0	0	0.0	1	6.8	2	22.0
Phillips	7	37.6	0	0	0.0	5	63.3	2	44.4
Pitkin	2	4.0	0	0	0.0	0	0.0	2	11.8
Prowers	32	52.4	0	1	5.0	10	38.8	21	139.1
Pueblo	314	47.3	0	6	3.3	121	42.9	187	94.2
Rio Blanco	6	27.0	0	0	0.0	1	10.6	5	104.2
Rio Grande	36	70.7	0	0	0.0	17	77.6	19	153.2
Routt	7	12.3	0	0	0.0	3	12.5	4	27.8
Saguache	12	80.0	0	0	0.0	3	48.4	9	236.8
San Juan	0	0.0	0	0	0.0	0	0.0	0	0.0
San Miguel	1	4.8	0	0	0.0	0	0.0	1	17.5

	13-19		12	13-14		15-17		18-19	
PLACE	NUMBER	RATE	NUMBER	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	1	6.8	0	0	0.0	0	0.0	1	25.6
Summit	3	6.1	0	0	0.0	0	0.0	3	17.8
Teller	11	21.1	0	0	0.0	3	13.5	8	53.3
Washington	10	49.5	0	0	0.0	4	46.5	6	130.4
Weld	327	38.7	0	6	2.9	111	30.3	210	77.3
Yuma	7	15.9	0	0	0.0	3	15.9	4	37.4
PLANNING AND MANAGEMENT REGIONS:									
PMR 1	125	47.7	0	0	0.0	44	39.7	81	122.0
2	595	31.9	0	9	2.1	193	23.9	393	62.7
3	3,125	38.3	3	52	2.2	1,098	31.7	1,975	85.9
4	886	44.5	0	3	0.5	234	27.8	649	109.0
5	24	22.2	0	0	0.0	4	8.7	20	68.7
6	128	60.5	0	2	3.0	47	52.7	79	142.1
7	314	47.3	0	6	3.3	121	42.9	187	94.2
8	118	60.5	0	2	3.4	46	54.4	70	135.4
9	101	36.9	0	1	1.3	34	28.6	66	83.8
10	103	31.8	0	1	1.1	40	28.7	62	63.8
11	238	40.0	0	2	1.1	76	30.2	160	102.8
12	44	15.8	0	1	1.2	9	8.1	34	39.5
13	83	36.2	0	0	0.0	24	24.3	59	88.6
14	41	47.7	0	0	0.0	13	35.7	28	128.4
METRO/NON-METRO:									
Denver PMSA	2,901	41.0	3	47	2.2	1,026	34.0	1,828	94.2
Denver CMSA	3,116	38.4	3	52	2.2	1,096	31.8	1,968	85.9
Total Metro	4,897	39.0	3	70	2.0	1,640	30.7	3,187	86.4
Non-Metro	1,028	38.2	0	9	1.1	343	30.1	676	91.2
FIVE-REGION SUBSTATE GROUPS:									
Front Range	4,897	39.0	3	70	2.0	1,640	30.7	3,187	86.4
Western Slope	486	33.0	0	5	1.2	159	25.6	322	77.1
Eastern Plains	277	47.6	0	2	1.1	95	38.6	180	119.1
San Luis Valley	118	60.5	0	2	3.4	46	54.4	70	135.4
Eastern Mtns	147	33.5	0	0	0.0	43	22.7	104	86.2
POPULATION-BASED REGIONS:									
1 Denver	1,298	72.5	3	27	4.9	463	66.0	808	149.5
2 Jefferson	480	23.8	0	6	1.1	159	18.0	315	55.5
3 Boulder	215	20.4	0	5	1.9	70	16.1	140	39.9
4 Adams	646	51.8	0	10	2.6	240	44.6	396	122.1
5 Arapahoe	451	25.7	0	4	0.7	158	20.3	289	67.4
6 El Paso	872	45.8	0	3	0.6	230	28.5	639	111.9
7 Larimer	268	26.3	0	3	1.3	82	18.7	183	51.5
8 Pueblo	314	47.3	0	6	3.3	121	42.9	187	94.2
9 Weld	327	38.7	0	6	2.9	111	30.3	210	77.3
10 Northwest Reg	238	40.0	0	2	1.1	76	30.2	160	102.8
11 Western Reg	147	24.4	0	2	1.2	49	19.6	96	52.4
12 Eastern Reg	277	47.6	0	2	1.1	95	38.6	180	119.1
13 Central Reg	132	21.4	0	0	0.0	36	13.7	96	54.0
14 Southern Reg	260	46.8	0	3	1.8	93	38.8	164	107.7

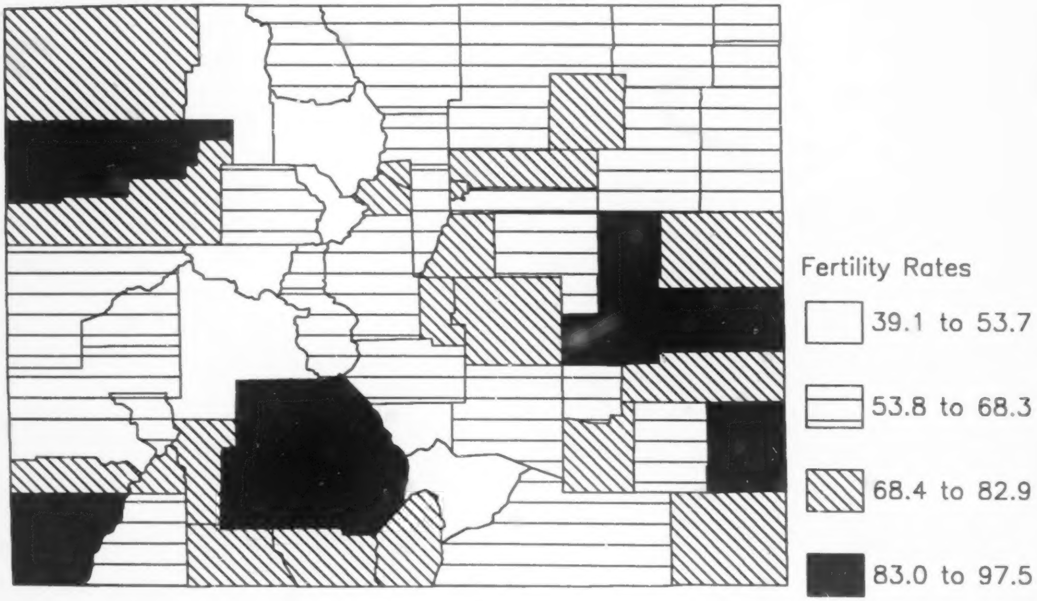
Rates are live births per 1,000 women in each age group. Rates based on few actual cases must be viewed with caution. Table 41 provides counts and rates for other teenage groups. See inside back cover for descriptions of regions.

Figure 22. Birth Rates by County: Colorado Residents, 1989


Birth Rates
☐ 7.1 to 11.0
▤ 11.1 to 15.0
▨ 15.1 to 18.9
■ 19.0 to 22.9

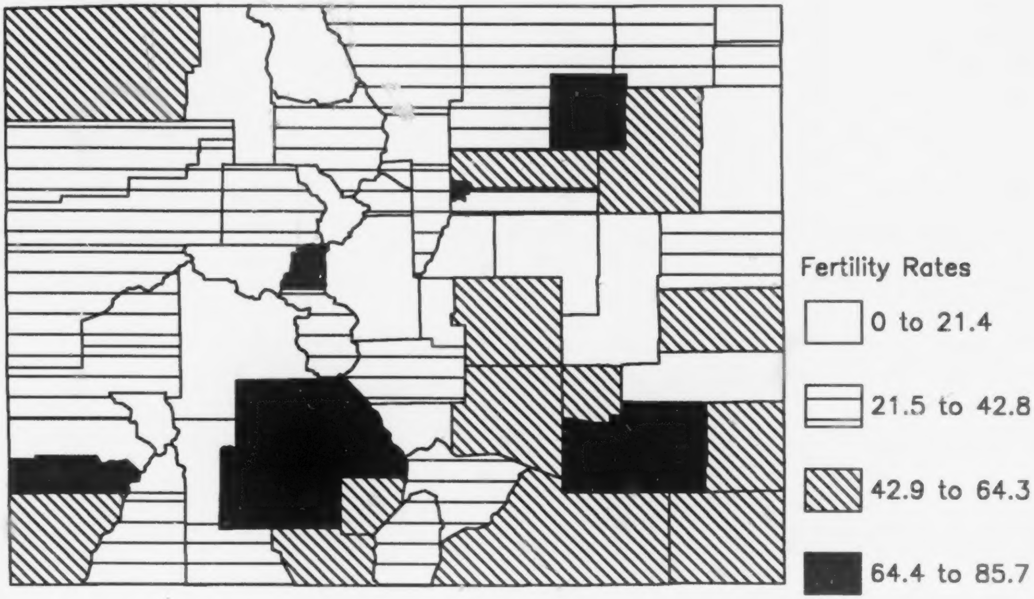
Rates are live births per 1,000 population

Figure 23. General Fertility Rates by County: Colorado Annual Average, 1985-1989


Fertility Rates
☐ 39.1 to 53.7
▤ 53.8 to 68.3
▨ 68.4 to 82.9
■ 83.0 to 97.5

Rates are live birhs per 1,000 women aged 15-44.

Figure 24. Teen Fertility Rates by County: Colorado Residents, 1989


Fertility Rates
0 to 21.4
21.5 to 42.8
42.9 to 64.3
64.4 to 85.7

Rates are live births per 1,000 women aged 13-19. Some rates are based on small numbers of births.

Table 43. Live Births by Selected City of Residence and Age of Mother: Colorado Residents, 1989

CITY	COUNTY	TOTAL	<13	13-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN
Colorado		52,697	3	79	1,983	3,863	12,847	16,612	12,055	4,593	637	15	10
Alamosa	Alamosa	146	0	0	10	21	55	38	12	8	2	0	0
Arvada	Total	1,415	0	0	52	105	314	489	346	90	19	0	0
	Adams	90	0	0	4	7	26	36	15	1	1	0	0
	Jefferson	1,325	0	0	48	98	288	453	331	89	18	0	0
Aspen	Pitkin	65	0	0	0	2	6	18	25	14	0	0	0
Aurora	Total	4,051	0	5	137	225	954	1,351	976	356	44	2	1
	Adams	570	0	1	30	44	186	164	109	34	2	0	0
	Arapahoe	3,481	0	4	107	181	768	1,187	867	322	42	2	1
Avon	Eagle	54	0	1	2	2	11	21	15	3	2	0	0
Berthoud	Larimer	59	0	0	6	3	9	27	10	3	1	0	0
Boulder	Boulder	947	0	1	11	38	126	256	322	165	27	1	0
Brighton	Total	267	0	1	17	27	76	96	35	14	1	0	0
	Adams	263	0	1	17	27	73	95	35	14	1	0	0
	Weld	4	0	0	0	0	3	1	0	0	0	0	0
Broomfield	Total	465	0	0	12	9	93	198	117	47	4	0	0
	Adams	133	0	0	2	0	25	61	31	13	1	0	0
	Boulder	214	0	0	8	9	43	76	55	21	2	0	0
	Jefferson	118	0	0	1	5	30	44	27	10	1	0	0
Brush	Morgan	60	0	0	4	6	17	20	10	3	0	0	0
Burlington	Kit Carson	54	0	0	1	9	15	20	3	5	1	0	0
Canon City	Fremont	176	0	0	6	17	64	51	25	8	5	0	0
Carbondale	Garfield	61	0	0	1	3	15	17	14	9	2	0	0
Castle Rock	Douglas	187	0	0	3	8	34	72	55	11	4	0	0
Center	Saguache	48	48	0	0	3	7	13	15	8	2	0	0
Colorado Springs	El Paso	5,896	0	3	193	524	1,813	1,809	1,149	352	51	1	1
Commerce City	Adams	396	0	2	24	41	148	120	46	14	1	0	0
Conifer	Jefferson	49	0	0	1	2	3	12	22	8	1	0	0
Cortez	Montezuma	142	0	0	10	13	47	35	26	9	2	0	0
Craig	Moffat	136	0	0	6	20	41	38	23	7	1	0	0
Dacono	Weld	29	0	0	4	2	10	9	2	2	0	0	0
Del Norte	Rio Grande	31	0	0	2	4	15	6	2	2	0	0	0
Delta	Delta	61	0	0	4	9	24	17	4	3	0	0	0
Denver	Denver	8,252	3	27	463	808	2,081	2,296	1,693	767	111	0	3
Dillon	Summit	32	0	0	0	0	8	10	10	4	0	0	0
Durango	La Plata	148	0	0	4	14	37	40	39	12	2	0	0
Eagle	Eagle	42	0	0	1	2	11	8	14	6	0	0	0
Edgewater	Jefferson	78	0	0	2	4	23	27	16	6	6	0	0
Englewood/Cherry Hills	Arapahoe	683	0	0	22	43	137	221	186	67	7	0	0
Estes Park	Larimer	31	0	0	0	2	0	7	1	1	0	0	0
Evans	Weld	134	0	1	10	12	37	42	26	5	1	0	0
Evergreen	Jefferson	80	0	0	0	2	9	18	34	16	1	0	0
Federal Heights	Adams	84	0	0	3	8	33	23	14	3	0	0	0
Florence	Fremont	40	0	0	3	1	20	10	6	0	0	0	0
Fort Collins	Larimer	1,292	0	2	33	79	244	422	374	123	15	0	0
Fort Lupton	Weld	134	0	0	8	16	47	38	17	8	0	0	0
Fort Morgan	Morgan	181	0	0	12	21	72	43	25	6	1	1	0
Fountain	El Paso	222	0	0	10	31	82	49	40	8	2	0	0
Fruita	Mesa	55	0	0	5	5	19	15	6	5	0	0	0
Glenwood Springs	Garfield	95	0	0	1	2	21	30	30	9	2	0	0
Golden	Jefferson	333	0	1	9	15	63	117	86	36	6	0	0
Grand Junction	Mesa	452	0	1	29	37	164	128	61	26	6	0	0
Greeley	Weld	1,041	0	4	57	118	317	302	193	45	5	0	0
Gunnison	Gunnison	52	0	0	1	4	11	17	11	7	1	0	0

CITY	COUNTY	TOTAL	<13	13-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN
Gypsum	Eagle	42	0	0	3	2	5	11	17	4	0	0	0
Highlands Ranch	Douglas	326	0	0	0	3	10	159	125	27	2	0	0
Idaho Springs	Clear Creek	34	0	0	2	2	5	16	6	3	0	0	0
La Junta	Otero	151	0	1	10	23	47	48	17	5	0	0	0
Lafayette	Boulder	309	0	0	6	6	48	126	99	23	1	0	0
Lakewood	Jefferson	1,818	0	3	55	100	445	619	405	168	22	1	0
Lamar	Prowers	137	0	0	9	16	43	44	20	4	1	0	0
Las Animas	Bent	34	0	0	6	7	7	9	4	1	0	0	0
Leadville	Lake	54	0	0	2	8	13	21	7	2	1	0	0
Littleton	Total	722	0	0	13	30	125	258	202	85	8	1	0
	Arapahoe	647	0	0	13	27	117	225	181	77	6	1	0
	Douglas	14	0	0	0	1	1	6	6	0	0	0	0
	Jefferson	61	0	0	0	2	7	27	15	8	2	0	0
Longmont	Boulder	914	0	4	36	63	226	315	175	86	8	1	0
Louisville	Boulder	245	0	0	0	4	18	82	112	28	1	0	0
Loveland	Larimer	614	0	0	22	57	144	209	131	44	7	0	0
Manitou Springs	El Paso	45	0	0	0	3	10	12	11	7	2	0	0
Monte Vista	Rio Grande	92	0	0	9	9	35	23	11	4	1	0	0
Montrose	Montrose	127	0	0	10	17	47	34	16	3	0	0	0
Morrison	Jefferson	69	0	0	1	2	14	32	15	5	0	0	0
Northglenn	Adams	392	0	0	17	42	126	109	75	20	3	0	0
Parker	Douglas	151	0	0	1	2	23	50	61	14	0	0	0
Pueblo	Pueblo	1,384	0	5	114	170	410	373	215	80	16	1	0
Rangely	Rio Blanco	44	0	0	1	4	15	11	11	1	1	0	0
Rifle	Garfield	93	0	0	5	7	27	28	21	5	0	0	0
Rocky Ford	Otero	72	0	0	7	14	22	15	10	4	0	0	0
Salida	Chaffee	59	0	0	2	6	14	15	13	8	1	0	0
Silverthorne	Summit	40	0	0	0	1	13	9	12	5	0	0	0
Steamboat Springs	Routt	69	0	0	1	1	5	15	28	18	1	0	0
Sterling	Logan	155	157	0	0	6	16	58	44	24	7	0	0
Thornton	Adams	1,035	0	3	51	73	293	365	197	45	7	0	1
Trinidad	Las Animas	116	0	0	10	19	36	22	20	7	2	0	0
Vail	Eagle	55	0	0	0	0	3	16	22	12	2	0	0
Walsenberg	Huerfano	26	0	0	2	2	12	6	3	0	1	0	0
Westminster	Total	1,222					257	475	285	81	11	0	0
	Adams	773	0	2	38	57	180	280	160	48	8	0	0
	Jefferson	449	0	0	5	11	77	195	125	33	3	0	0
Wheat Ridge	Jefferson	379	0	1	8	27	91	148	71	26	7	0	0
Windsor	Weld	67	0	1	3	5	15	21	18	4	0	0	0
Woodland Park	Teller	78	0	0	1	2	14	28	22	10	1	0	0
Yuma	Yuma	29	0	0	0	4	15	5	5	0	0	0	0

This table shows selected cities extracted from the mother's mailing address on the birth certificate. Counts are presented as reported.

Table 44. Live Births by Race/Ethnicity of Mother and Sex of Child: Colorado Residents, 1989

PLACE	TOTAL	TOTAL MALE	FEMALE	TOTAL WHITE TOTAL	MALE	FEMALE	NON-SPANISH WHITE TOTAL	MALE	FEMALE	SPANISH ORIGIN WHITE TOTAL	MALE	FEMALE
Colorado	52,697	26,913	25,784	48,233	24,653	23,580	39,859	20,362	19,497	8,374	4,291	4,083
Adams	4,777	2,425	2,352	4,389	2,234	2,155	3,517	1,782	1,735	872	452	420
Alamosa	234	130	104	226	126	100	124	62	62	102	64	38
Arapahoe	6,200	3,188	3,012	5,480	2,838	2,642	5,201	2,696	2,505	279	142	137
Archuleta	84	37	47	83	36	47	65	26	39	18	10	8
Baca	51	30	21	51	30	21	48	28	20	3	2	1
Bent	64	35	29	63	35	28	41	25	16	22	10	12
Boulder	3,230	1,606	1,624	3,059	1,517	1,542	2,755	1,364	1,391	304	153	151
Chaffee	132	74	58	130	72	58	120	67	53	10	5	5
Cheyenne	46	28	18	46	28	18	44	26	18	2	2	0
Clear Creek	115	70	45	115	70	45	113	69	44	2	1	1
Conejos	137	72	65	137	72	65	56	26	30	81	46	35
Costilla	54	28	26	54	28	26	11	6	5	43	22	21
Crowley	32	15	17	32	15	17	17	9	8	15	6	9
Custer	24	15	9	24	15	9	23	14	9	1	1	0
Delta	241	116	125	239	114	125	209	97	112	30	17	13
Denver	8,252	4,212	4,040	6,717	3,436	3,281	4,087	2,111	1,976	2,630	1,325	1,305
Dolores	18	7	11	18	7	11	16	7	9	2	0	2
Douglas	1,129	579	550	1,109	571	538	1,091	561	530	18	10	8
Eagle	415	207	208	409	202	207	344	167	177	65	35	30
Elbert	122	66	56	120	64	56	115	62	53	5	2	3
El Paso	7,613	3,879	3,734	6,589	3,352	3,237	5,876	2,980	2,896	713	372	341
Fremont	366	202	164	357	196	161	329	182	147	28	14	14
Garfield	445	232	213	441	229	212	398	208	190	43	21	22
Gilpin	41	21	20	41	21	20	41	21	20	0	0	0
Grand	110	55	55	110	55	55	108	54	54	2	1	1
Gunnison	126	61	65	122	60	62	120	59	61	2	1	1
Hinsdale	5	4	1	5	4	1	5	4	1	0	0	0
Huerfano	59	30	29	58	30	28	28	16	12	30	14	16
Jackson	21	9	12	20	8	12	14	4	10	6	4	2
Jefferson	6,527	3,370	3,157	6,293	3,251	3,042	5,837	3,011	2,826	456	240	216
Kiowa	20	8	12	20	8	12	19	8	11	1	0	1
Kit Carson	112	57	55	112	57	55	96	52	44	16	5	11
Lake	93	47	46	92	46	46	60	29	31	32	17	15
La Plata	427	220	207	388	199	189	332	167	165	56	32	24
Larimer	2,665	1,354	1,311	2,580	1,310	1,270	2,355	1,205	1,150	225	105	120
Las Animas	155	83	72	154	83	71	74	45	29	80	38	42
Lincoln	56	30	26	56	30	26	56	30	26	0	0	0
Logan	243	130	113	242	129	113	216	119	97	26	10	16
Mesa	1,246	619	627	1,230	613	617	1,094	544	550	136	69	67
Mineral	9	6	3	8	6	2	8	6	2	0	0	0
Moffat	175	88	87	171	86	85	160	82	78	11	4	7
Montezuma	316	152	164	248	112	136	224	102	122	24	10	14
Montrose	286	154	132	284	153	131	242	129	113	42	24	18
Morgan	386	183	203	374	180	194	259	118	141	115	62	53
Otero	322	157	165	319	156	163	179	89	90	140	67	73
Ouray	22	12	10	22	12	10	21	11	10	1	1	0
Park	90	52	38	88	51	37	86	50	36	2	1	1
Phillips	52	21	31	52	21	31	47	20	27	5	1	4
Pitkin	168	90	78	164	87	77	155	84	71	9	3	6
Prowers	207	92	115	206	91	115	141	64	77	65	27	38
Pueblo	1,625	840	785	1,576	814	762	861	430	431	715	384	331
Rio Blanco	89	47	42	89	47	42	83	43	40	6	4	2
Rio Grande	195	108	87	192	107	85	96	59	37	96	48	48
Routt	220	124	96	218	122	96	209	119	90	9	3	6
Saguache	75	35	40	74	34	40	24	10	14	50	24	26
San Juan	7	3	4	6	2	4	5	2	3	1	0	1
San Miguel	43	20	23	43	20	23	43	20	23	0	0	0

		TOTAL			TOTAL WHITE			NON-SPANISH WHITE			SPANISH ORIGIN WHITE	
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Sedgwick	28	13	15	28	13	15	25	12	13	3	1	2
Summit	196	96	100	194	94	100	187	89	98	7	5	2
Teller	190	100	90	185	95	90	178	93	85	7	2	5
Washington	53	32	21	51	30	21	47	28	19	4	2	2
Weld	2,164	1,098	1,066	2,139	1,090	1,049	1,439	723	716	700	367	333
Yuma	92	39	53	91	39	52	85	36	49	6	3	3
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	854	418	436	838	412	426	679	333	346	159	79	80
2	4,829	2,452	2,377	4,719	2,400	2,319	3,794	1,928	1,866	925	472	453
3	30,271	15,471	14,800	27,203	13,938	13,265	22,642	11,615	11,027	4,561	2,323	2,238
4	7,893	4,031	3,862	6,862	3,498	3,364	6,140	3,123	3,017	722	375	347
5	336	181	155	334	179	155	311	170	141	23	9	14
6	696	337	359	691	335	356	445	223	222	246	112	134
7	1,625	840	785	1,576	814	762	861	430	431	715	384	331
8	704	379	325	691	373	318	319	169	150	372	204	168
9	852	419	433	743	356	387	642	304	338	101	52	49
10	723	367	356	715	363	352	640	320	320	75	43	32
11	1,955	986	969	1,931	975	956	1,735	877	858	196	98	98
12	1,130	581	549	1,115	568	547	1,017	517	500	98	51	47
13	615	338	277	603	329	274	532	292	240	71	37	34
14	214	113	101	212	113	99	102	61	41	110	52	58
METRO/NON-METRO:												
Denver PMSA	26,885	13,774	13,111	23,988	12,330	11,658	19,733	10,161	9,572	4,255	2,169	2,086
Denver CMSA	30,115	15,380	14,735	27,047	13,847	13,200	22,488	11,525	10,963	4,559	2,322	2,237
Total Metro	44,182	22,551	21,631	39,931	20,413	19,518	33,019	16,863	16,156	6,912	3,550	3,362
Non-Metro	8,515	4,362	4,153	8,302	4,240	4,062	6,840	3,499	3,341	1,462	741	721
FIVE-REGION SUBSTATE GROUPS:												
Front Range	44,182	22,551	21,631	39,931	20,413	19,518	33,019	16,863	16,156	6,912	3,550	3,362
Western Slope	4,660	2,353	2,307	4,504	2,262	2,242	4,034	2,018	2,016	470	244	226
Eastern Plains	1,886	936	950	1,863	926	937	1,435	726	709	428	200	228
San Luis Valley	704	379	325	691	373	318	319	169	150	372	204	168
Eastern Mtns	1,265	694	571	1,244	679	565	1,052	586	466	192	93	99
POPULATION-BASED REGIONS:												
1 Denver	8,252	4,212	4,040	6,717	3,436	3,281	4,087	2,111	1,976	2,630	1,325	1,305
2 Jefferson	6,527	3,370	3,157	6,293	3,251	3,042	5,837	3,011	2,826	456	240	216
3 Boulder	3,230	1,606	1,624	3,059	1,517	1,542	2,755	1,364	1,391	304	153	151
4 Adams	4,777	2,425	2,352	4,389	2,234	2,155	3,517	1,782	1,735	872	452	420
5 Arapahoe	6,200	3,188	3,012	5,480	2,838	2,642	5,201	2,696	2,505	279	142	137
6 El Paso	7,613	3,879	3,734	6,589	3,352	3,237	5,876	2,980	2,896	713	372	341
7 Larimer	2,665	1,354	1,311	2,580	1,310	1,270	2,355	1,205	1,150	225	105	120
8 Pueblo	1,625	840	785	1,576	814	762	861	430	431	715	384	331
9 Weld	2,164	1,098	1,066	2,139	1,090	1,049	1,439	723	716	700	367	333
10 Northwest Reg	1,955	986	969	1,931	975	956	1,735	877	858	196	98	98
11 Western Reg	1,853	948	905	1,830	931	899	1,657	837	820	173	94	79
12 Eastern Reg	1,886	936	950	1,863	926	937	1,435	726	709	428	200	228
13 Central Reg	2,180	1,160	1,020	2,141	1,137	1,004	2,041	1,086	955	100	51	49
14 Southern Reg	1,770	911	859	1,646	842	804	1,063	534	529	583	308	275

Table 44, Continued.

	NON-WHITE			BLACK			NATIVE AMERICAN			ASIAN			OTHER		
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Colorado	4,402	2,226	2,176	2,748	1,372	1,376	465	243	222	1,173	603	570	16	8	8
Adams	379	184	195	198	103	95	27	9	18	153	71	82	1	1	0
Alamosa	8	4	4	1	0	1	0	0	0	1	0	1	6	4	2
Arapahoe	712	347	365	485	231	254	23	10	13	201	105	96	3	1	2
Archuleta	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
Baca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bent	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Boulder	160	83	77	19	9	10	20	8	12	121	66	55	0	0	0
Chaffee	2	2	0	0	0	0	1	1	0	1	1	0	0	0	0
Cheyenne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clear Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conejos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crowley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Custer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delta	2	2	0	0	0	0	1	1	0	1	1	0	0	0	0
Denver	1,526	772	754	1,193	605	588	107	62	45	224	105	119	2	0	2
Dolores	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Douglas	16	5	11	3	1	2	1	0	1	11	4	7	1	0	1
Eagle	5	5	0	0	0	0	1	1	0	4	4	0	0	0	0
Elbert	2	2	0	0	0	0	1	1	0	1	1	0	0	0	0
El Paso	1,023	526	497	739	374	365	58	33	25	224	118	106	2	1	1
Fremont	9	6	3	6	4	2	1	1	0	2	1	1	0	0	0
Garfield	4	3	1	0	0	0	2	1	1	2	2	0	0	0	0
Gilpin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gunnison	4	1	3	1	0	1	2	0	2	1	1	0	0	0	0
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson	224	114	110	45	18	27	30	14	16	148	81	67	1	1	0
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kit Carson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
La Plata	39	21	18	0	0	0	37	19	18	2	2	0	0	0	0
Larimer	82	44	38	14	6	8	21	13	8	47	25	22	0	0	0
Las Animas	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Logan	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
Mesa	16	6	10	7	3	4	6	1	5	3	2	1	0	0	0
Mineral	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Moffat	4	2	2	0	0	0	2	1	1	2	1	1	0	0	0
Montezuma	68	40	28	1	1	0	66	39	27	1	0	1	0	0	0
Montrose	2	1	1	0	0	0	2	1	1	0	0	0	0	0	0
Morgan	11	2	9	2	0	2	6	0	6	3	2	1	0	0	0
Otero	3	1	2	1	0	1	1	1	0	1	0	1	0	0	0
Ouray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Park	2	1	1	1	1	0	0	0	0	1	0	1	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pitkin	2	1	1	0	0	0	0	0	0	2	1	1	0	0	0
Prowers	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0
Pueblo	48	26	22	23	12	11	21	12	9	4	2	2	0	0	0
Rio Blanco	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rio Grande	3	1	2	0	0	0	3	1	2	0	0	0	0	0	0
Routt	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0
Saguache	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
San Juan	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PLACE	NON-WHITE			BLACK			NATIVE AMERICAN			ASIAN			OTHER		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Sedgwick	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summit	2	2	0	0	0	0	1	1	0	1	1	0	0	0	0
Teller	5	5	0	1	1	0	3	3	0	1	1	0	0	0	0
Washington	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
Weld	25	8	17	6	2	4	12	4	8	7	2	5	0	0	0
Yuma	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
PLANNING AND MANAGEMENT REGIONS:															
PMR 1	14	4	10	3	0	3	8	2	6	3	2	1	0	0	0
2	107	52	55	20	8	12	33	17	16	54	27	27	0	0	0
3	3,017	1,505	1,512	1,943	967	976	208	103	105	858	432	426	8	3	5
4	1,030	532	498	741	376	365	61	36	25	226	119	107	2	1	1
5	2	2	0	0	0	0	1	1	0	1	1	0	0	0	0
6	5	2	3	1	0	1	2	1	1	2	1	1	0	0	0
7	48	26	22	23	12	11	21	12	9	4	2	2	0	0	0
8	13	6	7	1	0	1	5	2	3	1	0	1	6	4	2
9	109	63	46	1	1	0	105	60	45	3	2	1	0	0	0
10	8	4	4	1	0	1	5	2	3	2	2	0	0	0	0
11	24	11	13	7	3	4	10	3	7	7	5	2	0	0	0
12	11	10	1	0	0	0	2	2	0	9	8	1	0	0	0
13	12	9	3	7	5	2	2	2	0	3	2	1	0	0	0
14	2	0	2	0	0	0	2	0	2	0	0	0	0	0	0
METRO/NON-METRO:															
Denver PMSA	2,857	1,422	1,435	1,924	958	966	188	95	93	737	366	371	8	3	5
Denver CMSA	3,017	1,505	1,512	1,943	967	976	208	103	105	858	432	426	8	3	5
Total Metro	4,195	2,109	2,086	2,725	1,361	1,364	320	165	155	1,140	579	561	10	4	6
Non-Metro	207	117	90	23	11	12	145	78	67	33	24	9	6	4	2
FIVE-REGION SUBSTATE GROUPS:															
Front Range	4,195	2,109	2,086	2,725	1,361	1,364	320	165	155	1,140	579	561	10	4	6
Western Slope	152	88	64	9	4	5	122	67	55	21	17	4	0	0	0
Eastern Plains	21	8	13	4	0	4	11	4	7	6	4	2	0	0	0
San Luis Valley	13	6	7	1	0	1	5	2	3	1	0	1	6	4	2
Eastern Mtns	21	15	6	9	7	2	7	5	2	5	3	2	0	0	0
POPULATION-BASED REGIONS:															
1 Denver	1,526	772	754	1,193	605	588	107	62	45	224	105	119	2	0	2
2 Jefferson	224	114	110	45	18	27	30	14	16	148	81	67	1	1	0
3 Boulder	160	83	77	19	9	10	20	8	12	121	66	55	0	0	0
4 Adams	379	184	195	198	103	95	27	9	18	153	71	82	1	1	0
5 Arapahoe	712	347	365	485	231	254	23	10	13	201	105	96	3	1	2
6 El Paso	1,023	526	497	739	374	365	58	33	25	224	118	106	2	1	1
7 Larimer	82	44	38	14	6	8	21	13	8	47	25	22	0	0	0
8 Pueblo	48	26	22	23	12	11	21	12	9	4	2	2	0	0	0
9 Weld	25	8	17	6	2	4	12	4	8	7	2	5	0	0	0
10 Northwest Reg	24	11	13	7	3	4	10	3	7	7	5	2	0	0	0
11 Western Reg	19	14	5	1	0	1	7	4	3	11	10	1	0	0	0
12 Eastern Reg	21	8	13	4	0	4	11	4	7	6	4	2	0	0	0
13 Central Reg	35	20	15	12	8	4	6	5	1	16	7	9	1	0	1
14 Southern Reg	124	69	55	2	1	1	112	62	50	4	2	2	6	4	2

Similar tables appearing in earlier reports listed race and ethnic data by race of child rather than race of mother. See inside back cover for descriptions of regions.

Table 45. Live Births by Birth Weight (Grams) by County and Region: Colorado Residents, 1989

PLACE	TOTAL	<500	500-999	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4,000-4,499	4,500-4,999	5,000+	UNKNOWN/ NOT STATED	LOW WEIGHT BIRTHS	PERCENT LOW WEIGHT
Colorado	52,697	48	187	292	715	2,845	10,940	21,322	12,948	2,964	396	23	17	4,087	7.8
Adams	4,777	0	14	30	87	264	1,063	1,857	1,127	293	40	0	2	395	8.3
Alamosa	234	0	0	1	5	17	56	90	56	9	0	0	0	23	9.8
Arapahoe	6,200	11	13	36	85	331	1,134	2,510	1,628	395	51	4	2	476	7.7
Archuleta	84	0	0	1	1	3	21	35	20	2	1	0	0	5	6.0
Baca	51	2	0	0	0	2	7	25	13	1	0	0	1	4	7.8
Bent	64	0	0	0	0	2	20	28	12	2	0	0	0	2	3.1
Boulder	3,230	3	8	9	41	148	582	1,314	858	238	27	2	0	209	6.5
Chaffee	132	0	0	0	3	11	22	57	34	5	0	0	0	14	10.6
Cheyenne	46	0	0	0	0	2	8	17	13	5	1	0	0	2	4.3
Clear Creek	115	0	0	1	3	4	31	44	29	3	0	0	0	8	7.0
Conejos	137	1	0	1	1	7	36	55	29	4	3	0	0	10	7.3
Costilla	54	0	0	0	7	4	16	25	2	0	0	0	0	11	20.4
Crowley	32	0	1	0	1	1	8	17	2	2	0	0	0	3	9.4
Custer	24	0	0	1	0	1	4	8	8	1	1	0	0	2	8.3
Delta	241	1	1	1	5	17	45	97	59	13	2	0	0	25	10.4
Denver	8,252	5	40	60	115	519	1,910	3,323	1,851	370	53	3	3	739	9.0
Dolores	18	0	0	1	0	3	6	3	4	1	0	0	0	4	22.2
Douglas	1,129	0	4	3	19	45	230	448	296	72	11	1	0	71	6.3
Eagle	415	0	0	1	11	34	107	159	81	20	2	0	0	46	11.1
Elbert	122	0	0	0	1	2	23	60	25	10	1	0	0	3	2.5
El Paso	7,613	16	37	50	120	430	1,639	3,096	1,793	378	48	6	0	653	8.6
Fremont	366	1	1	1	4	27	88	150	72	17	3	0	2	34	9.3
Garfield	445	0	0	5	3	25	88	168	121	33	2	0	0	33	7.4
Gilpin	41	0	0	0	3	0	12	20	3	2	1	0	0	3	7.3
Grand	110	0	0	0	2	5	39	42	20	2	0	0	0	7	6.4
Gunnison	126	0	1	1	4	9	20	54	26	10	1	0	0	15	11.9
Hinsdale	5	0	0	0	0	0	3	2	0	0	0	0	0	0	0.0
Huerfano	59	0	0	0	1	5	12	22	18	1	0	0	0	6	10.2
Jackson	21	0	0	0	0	2	9	10	0	0	0	0	0	2	9.5
Jefferson	6,527	2	20	29	63	318	1,267	2,668	1,727	374	53	4	2	432	6.6
Kiowa	20	0	0	0	0	0	6	9	3	2	0	0	0	0	0.0
Kit Carson	112	0	0	2	0	4	13	42	43	7	1	0	0	6	5.4
Lake	93	0	2	0	2	7	26	42	14	0	0	0	0	11	11.8
La Plata	427	0	0	3	5	28	82	172	115	19	3	0	0	36	8.4
Larimer	2,665	2	10	11	22	121	491	1,077	726	188	16	1	0	166	6.2
Las Animas	155	0	0	1	0	11	32	60	43	8	0	0	0	12	7.7
Lincoln	56	0	0	0	1	3	9	23	15	4	1	0	0	4	7.1
Logan	243	0	0	3	1	7	47	91	76	17	1	0	0	11	4.5
Mesa	1,246	2	6	3	16	61	227	526	319	76	10	0	0	88	7.1
Mineral	9	0	0	0	0	0	2	3	2	2	0	0	0	0	0.0
Moffat	175	0	0	0	2	7	44	69	44	8	1	0	0	9	5.1
Montezuma	316	0	0	1	3	19	63	130	81	17	2	0	0	23	7.3
Montrose	286	0	2	2	2	12	69	118	63	13	5	0	0	18	6.3
Morgan	386	0	1	3	3	21	68	158	103	22	7	0	0	28	7.3
Otero	322	0	2	1	4	13	78	142	65	15	2	0	0	20	6.2
Ouray	22	0	0	0	0	4	6	7	5	0	0	0	0	4	18.2
Park	90	0	1	0	1	11	21	34	19	1	1	0	1	13	14.4
Phillips	52	0	1	0	1	1	7	19	22	1	0	0	0	3	5.8
Pitkin	168	0	1	0	0	7	49	72	33	6	0	0	0	8	4.8
Prowers	207	0	1	2	4	14	42	82	46	15	1	0	0	21	10.1
Pueblo	1,625	1	9	11	19	88	351	632	406	94	14	0	0	128	7.9
Rio Blanco	89	0	0	2	0	2	18	36	22	6	3	0	0	4	4.5
Rio Grande	195	0	1	1	4	14	50	77	37	10	1	0	0	20	10.3
Routt	220	0	1	0	4	6	47	94	49	16	2	1	0	11	5.0
Saguache	75	0	0	1	1	3	18	34	13	4	1	0	0	5	6.7
San Juan	7	0	0	0	2	0	3	1	1	0	0	0	0	2	28.6
San Miguel	43	0	0	0	0	3	8	24	5	3	0	0	0	3	7.0

PLACE	TOTAL	<500	500-999	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4,000-4,499	4,500-4,999	5,000+	UNKNOWN/ NOT STATED	LOW WEIGHT BIRTHS	PERCENT LOW WEIGHT
Sedgwick	28	0	0	0	0	0	4	10	9	5	0	0	0	0	0.0
Summit	196	0	0	1	4	11	60	87	30	3	0	0	0	16	8.2
Teller	190	0	0	0	2	16	43	85	36	7	1	0	0	18	9.5
Washington	53	0	0	0	0	2	8	21	16	6	0	0	0	2	3.8
Weld	2,164	1	9	11	26	104	424	903	536	123	22	1	4	151	7.0
Yuma	92	0	0	1	1	7	18	38	24	3	0	0	0	9	9.8
PLANNING AND MANAGEMENT REGIONS:															
PMR 1	854	0	2	7	6	38	152	337	250	54	8	0	0	53	6.2
2	4,829	3	19	22	48	225	915	1,980	1,262	311	38	2	4	317	6.6
3	30,271	21	99	168	416	1,629	6,229	12,184	7,519	1,747	236	14	9	2,333	7.7
4	7,893	16	38	50	123	457	1,703	3,215	1,848	386	50	6	1	684	8.7
5	336	0	0	2	2	11	53	142	96	26	4	0	0	15	4.5
6	696	2	4	3	9	32	161	303	141	37	3	0	1	50	7.2
7	1,625	1	9	11	19	88	351	632	406	94	14	0	0	128	7.9
8	704	1	1	4	18	45	178	284	139	29	5	0	0	69	9.8
9	852	0	0	6	11	53	175	341	221	39	6	0	0	70	8.2
10	723	1	4	4	11	45	151	302	158	39	8	0	0	65	9.0
11	1,955	2	6	10	21	95	377	799	506	123	16	0	0	134	6.9
12	1,130	0	2	2	21	65	311	464	213	47	4	1	0	90	8.0
13	615	1	3	2	9	46	140	257	128	23	4	0	2	61	9.9
14	214	0	0	1	1	16	44	82	61	9	0	0	0	18	8.4
METRO/NON-METRO:															
Denver PMSA	26,885	18	91	158	369	1,477	5,604	10,806	6,629	1,504	208	12	9	2,113	7.9
Denver CMSA	30,115	21	99	167	410	1,625	6,186	12,120	7,487	1,742	235	14	9	2,322	7.7
Total Metro	44,182	41	164	250	597	2,368	9,091	17,828	10,948	2,525	335	22	13	3,420	7.7
Non-Metro	8,515	7	23	42	118	477	1,849	3,494	2,000	439	61	1	4	667	7.8
FIVE-REGION SUBSTATE GROUPS:															
Front Range	44,182	41	164	250	597	2,368	9,091	17,828	10,948	2,525	335	22	13	3,420	7.7
West Slope	4,660	3	12	22	64	258	1,014	1,906	1,098	248	34	1	0	359	7.7
East Plains	1,886	2	6	12	17	81	366	782	487	117	15	0	1	118	6.3
San Luis Val	704	1	1	4	18	45	178	284	139	29	5	0	0	69	9.8
Eastern Mtns	1,265	1	4	4	19	93	291	522	276	45	7	0	3	121	9.6
POPULATION-BASED REGIONS:															
1 Denver	8,252	5	40	60	115	519	1,910	3,323	1,851	370	53	3	3	739	9.0
2 Jefferson	6,527	2	20	29	63	318	1,267	2,668	1,727	374	53	4	2	432	6.6
3 Boulder	3,230	3	8	9	41	148	582	1,314	858	238	27	2	0	209	6.5
4 Adams	4,777	0	14	30	87	264	1,063	1,857	1,127	293	40	0	2	395	8.3
5 Arapahoe	6,200	11	13	36	85	331	1,134	2,510	1,628	395	51	4	2	476	7.7
6 El Paso	7,613	16	37	50	120	430	1,639	3,096	1,793	378	48	6	0	653	8.6
7 Larimer	2,665	2	10	11	22	121	491	1,077	726	188	16	1	0	166	6.2
8 Pueblo	1,625	1	9	11	19	88	351	632	4[illegible]	94	14	0	0	128	7.9
9 Weld	2,164	1	9	11	26	104	424	903	536	123	22	1	4	151	7.0
10 Northwest	1,955	2	6	10	21	95	377	799	506	123	16	0	0	134	6.9
11 Western	1,853	1	6	6	32	110	462	766	371	86	12	1	0	155	8.4
12 Eastern	1,886	2	6	12	17	81	366	782	487	117	15	0	1	118	6.3
13 Central	2,180	1	8	6	37	122	477	888	511	108	18	1	3	174	8.0
14 Southern	1,770	1	1	11	30	114	397	707	421	77	11	0	0	157	8.9

Low weight birth is less than 2,500 grams. See page 270 for equivalents of gram weights in pounds and ounces. Caution should be used when considering low weight births based on few cases. See inside back cover for descriptions of regions.

Table 46. Low Weight Births by Age of Mother by County and Region: Colorado Residents, 1989

PLACE	TOTAL	<13	13-14	15-17	18-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
Colorado	4,087	1	13	204	381	14	585	1,061	1,111	886	371	54	3	2
Adams	395	0	1	24	43	1	67	106	119	72	27	3	0	0
Alamosa	23	0	0	0	5	0	5	6	7	1	4	0	0	0
Arapahoe	476	0	2	21	28	2	49	99	135	124	59	7	1	0
Archuleta	5	0	0	0	0	0	0	0	4	0	1	0	0	0
Baca	4	0	0	0	0	0	0	2	1	1	0	0	0	0
Bent	2	0	0	0	0	0	0	0	1	1	0	0	0	0
Boulder	209	0	0	6	14	0	20	45	53	58	30	3	0	0
Chaffee	14	0	0	1	2	0	3	4	4	3	0	0	0	0
Cheyenne	2	0	0	0	0	0	0	2	0	0	0	0	0	0
Clear Creek	8	0	0	0	0	0	0	2	3	2	1	0	0	0
Conejos	10	0	0	1	0	0	1	7	1	0	1	0	0	0
Costilla	11	0	0	1	0	0	1	2	1	3	2	2	0	0
Crowley	3	0	0	0	1	0	1	2	0	0	0	0	0	0
Custer	2	0	0	0	0	0	0	1	1	0	0	0	0	0
Delta	25	0	0	2	6	0	8	5	6	2	3	1	0	0
Denver	739	1	4	46	89	5	135	222	176	138	53	9	0	1
Dolores	4	0	0	1	0	0	1	2	0	0	1	0	0	0
Douglas	71	0	0	1	2	0	3	5	30	27	6	0	0	0
Eagle	46	0	0	1	1	0	2	4	12	13	11	4	0	0
Elbert	3	0	0	0	0	0	0	0	0	2	1	0	0	0
El Paso	653	0	1	27	60	1	87	189	204	130	35	6	0	1
Fremont	34	0	0	2	3	0	5	16	5	3	4	1	0	0
Garfield	33	0	0	2	1	0	3	11	8	6	5	0	0	0
Gilpin	3	0	0	0	0	0	0	0	0	1	2	0	0	0
Grand	7	0	0	0	0	0	0	3	0	4	0	0	0	0
Gunnison	15	0	0	0	1	0	1	2	3	5	3	1	0	0
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	6	0	0	0	0	0	0	3	0	2	1	0	0	0
Jackson	2	0	0	0	0	0	0	1	0	0	0	1	0	0
Jefferson	432	0	3	18	28	3	46	97	128	104	48	6	0	0
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kit Carson	6	0	0	0	1	0	1	5	0	0	0	0	0	0
Lake	11	0	0	0	2	0	2	3	3	3	0	0	0	0
La Plata	36	0	0	1	2	0	3	9	6	14	4	0	0	0
Larimer	166	0	0	7	23	0	30	32	50	41	11	2	0	0
Las Animas	12	0	0	2	3	0	5	3	1	3	0	0	0	0
Lincoln	4	0	0	0	0	0	0	2	2	0	0	0	0	0
Logan	11	0	0	1	0	0	1	3	3	2	2	0	0	0
Mesa	88	0	1	2	8	1	10	30	20	14	11	2	0	0
Mineral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moffat	9	0	0	0	0	0	0	1	1	5	2	0	0	0
Montezuma	23	0	0	2	2	0	4	7	3	7	0	1	1	0
Montrose	18	0	0	2	1	0	3	7	1	4	3	0	0	0
Morgan	28	0	0	5	7	0	12	9	4	2	0	0	1	0
Otero	20	0	0	2	4	0	6	4	7	1	2	0	0	0
Ouray	4	0	0	0	0	0	0	0	2	2	0	0	0	0
Park	13	0	0	0	0	0	0	0	9	1	2	1	0	0
Phillips	3	0	0	0	1	0	1	0	0	2	0	0	0	0
Pitkin	8	0	0	0	0	0	0	0	1	1	5	1	0	0
Prowers	21	0	0	2	2	0	4	7	7	3	0	0	0	0
Pueblo	128	0	1	12	17	1	29	39	29	21	7	2	0	0
Rio Blanco	4	0	0	0	0	0	0	2	1	1	0	0	0	0
Rio Grande	20	0	0	0	5	0	5	10	3	1	0	1	0	0
Routt	11	0	0	0	1	0	1	1	4	3	2	0	0	0
Saguache	5	0	0	0	0	0	0	1	1	3	0	0	0	0
San Juan	2	0	0	0	0	0	0	0	0	0	2	0	0	0
San Miguel	3	0	0	0	1	0	1	0	1	1	0	0	0	0

PLACE	TOTAL	<13	13-14	15-17	18-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
Sedgwick	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summit	16	0	0	0	1	0	1	1	7	3	4	0	0	0
Teller	18	0	0	0	0	0	0	1	5	7	5	0	0	0
Washington	2	0	0	0	0	0	0	2	0	0	0	0	0	0
Weld	151	0	0	12	16	0	28	40	37	36	10	0	0	0
Yuma	9	0	0	0	0	0	0	4	1	3	1	0	0	0
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	53	0	0	6	8	0	14	18	8	9	3	0	1	0
2	317	0	0	19	39	0	58	72	87	77	21	2	0	0
3	2,333	1	10	116	204	11	320	576	644	526	226	28	1	1
4	684	0	1	27	60	1	87	190	218	138	42	7	0	1
5	15	0	0	0	1	0	1	9	2	2	1	0	0	0
6	50	0	0	4	7	0	11	15	16	6	2	0	0	0
7	128	0	1	12	17	1	29	39	29	21	7	2	0	0
8	69	0	0	2	10	0	12	26	13	8	7	3	0	0
9	70	0	0	4	4	0	8	18	13	21	8	1	1	0
10	65	0	0	4	9	0	13	14	13	14	9	2	0	0
11	134	0	1	4	9	1	13	44	30	26	18	2	0	0
12	90	0	0	1	3	0	4	10	24	24	22	6	0	0
13	61	0	0	3	7	0	10	24	13	9	4	1	0	0
14	18	0	0	2	3	0	5	6	1	5	1	0	0	0
METRO/NON-METRO:														
Denver PMSA	2,113	1	10	110	190	11	300	529	588	465	193	25	1	1
Denver CMSA	2,322	1	10	116	204	11	320	574	641	523	223	28	1	1
Total Metro	3,420	1	12	174	320	13	494	874	961	751	286	38	1	2
Non-Metro	667	0	1	30	61	1	91	187	150	135	85	16	2	0
FIVE-REGION SUBSTATE GROUPS:														
Front Range	3,420	1	12	174	320	13	494	874	961	751	286	38	1	2
Western Slope	359	0	1	13	25	1	38	86	80	85	57	11	1	0
Eastern Plains	118	0	0	10	16	0	26	42	26	17	6	0	1	0
San Luis Valley	69	0	0	2	10	0	12	26	13	8	7	3	0	0
Eastern Mtns	121	0	0	5	10	0	15	33	31	25	15	2	0	0
POPULATION-BASED REGIONS:														
1 Denver	739	1	4	46	89	5	135	222	176	138	53	9	0	1
2 Jefferson	432	0	3	18	28	3	46	97	128	104	48	6	0	0
3 Boulder	209	0	0	6	14	0	20	45	53	58	30	3	0	0
4 Adams	395	0	1	24	43	1	67	106	119	72	27	3	0	0
5 Arapahoe	476	0	2	21	28	2	49	99	135	124	59	7	1	0
6 El Paso	653	0	1	27	60	1	87	189	204	130	35	6	0	1
7 Larimer	166	0	0	7	23	0	30	32	50	41	11	2	0	0
8 Pueblo	128	0	1	12	17	1	29	39	29	21	7	2	0	0
9 Weld	151	0	0	12	16	0	28	40	37	36	10	0	0	0
10 Northwest Reg	134	0	1	4	9	1	13	44	30	26	18	2	0	0
11 Western Reg	155	0	0	5	12	0	17	24	37	38	31	8	0	0
12 Eastern Reg	118	0	0	10	16	0	26	42	26	17	6	0	1	0
13 Central Reg	174	0	0	4	9	0	13	32	60	47	20	2	0	0
14 Southern Reg	157	0	0	8	17	0	25	50	27	34	16	4	1	0

Low weight birth is less than 2,500 grams or 5 lb 8 oz or less. See inside back cover for descriptions of regions.

Table 47. Live Births by Trimester Care Began by County and Region: Colorado Residents, 1989

PLACE	TOTAL LIVE BIRTHS	FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO CARE		UNKNOWN/NOT STATED	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Colorado	52,697	39,939	76.4	9,467	18.1	2,291	4.4	586	1.1	414	0.8
Adams	4,777	3,351	70.7	1,042	22.0	240	5.1	105	2.2	39	0.8
Alamosa	234	180	78.3	39	17.0	10	4.3	1	0.4	4	1.7
Arapahoe	6,200	5,160	83.6	784	12.7	186	3.0	45	0.7	25	0.4
Archuleta	84	71	84.5	10	11.9	3	3.6	0	0.0	0	0.0
Baca	51	38	76.0	8	16.0	4	8.0	0	0.0	1	2.0
Bent	64	44	68.8	15	23.4	4	6.3	1	1.6	0	0.0
Boulder	3,230	2,353	74.1	664	20.9	131	4.1	27	0.9	55	1.7
Chaffee	132	96	76.8	23	18.4	6	4.8	0	0.0	7	5.3
Cheyenne	46	33	71.7	11	23.9	2	4.3	0	0.0	0	0.0
Clear Creek	115	92	80.7	18	15.8	4	3.5	0	0.0	1	0.9
Conejos	137	87	64.0	39	28.7	8	5.9	2	1.5	1	0.7
Costilla	54	32	59.3	18	33.3	4	7.4	0	0.0	0	0.0
Crowley	32	17	53.1	15	46.9	0	0.0	0	0.0	0	0.0
Custer	24	15	62.5	8	33.3	1	4.2	0	0.0	0	0.0
Delta	241	152	63.3	61	25.4	17	7.1	10	4.2	1	0.4
Denver	8,252	5,678	69.2	1,883	23.0	501	6.1	141	1.7	49	0.6
Dolores	18	8	57.1	6	42.9	0	0.0	0	0.0	4	22.2
Douglas	1,129	1,060	94.2	56	5.0	9	0.8	0	0.0	4	0.4
Eagle	415	328	80.2	55	13.4	22	5.4	4	1.0	6	1.4
Elbert	122	103	84.4	12	9.8	4	3.3	3	2.5	0	0.0
El Paso	7,613	6,131	80.6	1,177	15.5	225	3.0	71	0.9	9	0.1
Fremont	366	292	80.4	59	16.3	11	3.0	1	0.3	3	0.8
Garfield	445	324	74.1	85	19.5	24	5.5	4	0.9	8	1.8
Gilpin	41	35	85.4	5	12.2	1	2.4	0	0.0	0	0.0
Grand	110	83	77.6	15	14.0	7	6.5	2	1.9	3	2.7
Gunnison	126	119	94.4	7	5.6	0	0.0	0	0.0	0	0.0
Hinsdale	5	5	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	59	21	35.6	29	49.2	9	15.3	0	0.0	0	0.0
Jackson	21	14	66.7	6	28.6	0	0.0	1	4.8	0	0.0
Jefferson	6,527	5,511	85.1	750	11.6	170	2.6	43	0.7	53	0.8
Kiowa	20	16	80.0	4	20.0	0	0.0	0	0.0	0	0.0
Kit Carson	112	84	75.0	22	19.6	4	3.6	2	1.8	0	0.0
Lake	93	60	66.7	23	25.6	7	7.8	0	0.0	3	3.2
La Plata	427	361	85.1	50	11.8	9	2.1	4	0.9	3	0.7
Larimer	2,665	1,909	72.2	560	21.2	150	5.7	24	0.9	22	0.8
Las Animas	155	94	60.6	46	29.7	11	7.1	4	2.6	0	0.0
Lincoln	56	45	80.4	9	16.1	2	3.6	0	0.0	0	0.0
Logan	243	189	77.8	43	17.7	7	2.9	4	1.6	0	0.0
Mesa	1,246	916	74.4	265	21.5	46	3.7	4	0.3	15	1.2
Mineral	9	8	88.9	1	11.1	0	0.0	0	0.0	0	0.0
Moffat	175	132	76.7	30	17.4	6	3.5	4	2.3	3	1.7
Montezuma	316	225	71.7	59	18.8	23	7.3	7	2.2	2	0.6
Montrose	286	188	66.2	63	22.2	26	9.2	7	2.5	2	0.7
Morgan	386	250	64.9	105	27.3	25	6.5	5	1.3	1	0.3
Otero	322	225	69.9	71	22.0	18	5.6	8	2.5	0	0.0
Ouray	22	18	81.8	3	13.6	1	4.5	0	0.0	0	0.0
Park	90	79	88.8	7	7.9	1	1.1	2	2.2	1	1.1
Phillips	52	42	80.8	10	19.2	0	0.0	0	0.0	0	0.0
Pitkin	168	140	84.8	20	12.1	4	2.4	1	0.6	3	1.8
Prowers	207	133	65.2	45	22.1	22	10.8	4	2.0	3	1.4
Pueblo	1,625	1,094	68.0	406	25.2	97	6.0	13	0.8	15	0.9
Rio Blanco	89	63	71.6	22	25.0	2	2.3	1	1.1	1	1.1
Rio Grande	195	136	72.0	37	19.6	16	8.5	0	0.0	6	3.1
Routt	220	182	83.5	28	12.8	6	2.8	2	0.9	2	0.9
Saguache	75	49	68.1	18	25.0	4	5.6	1	1.4	3	4.0
San Juan	7	5	71.4	1	14.3	0	0.0	1	14.3	0	0.0
San Miguel	43	38	88.4	5	11.6	0	0.0	0	0.0	0	0.0

PLACE	TOTAL LIVE BIRTHS	FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO CARE		UNKNOWN/NOT STATED	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Sedgwick	28	23	82.1	4	14.3	1	3.6	0	0.0	0	0.0
Summit	196	169	86.2	20	10.2	6	3.1	1	0.5	0	0.0
Teller	190	159	83.7	26	13.7	4	2.1	1	0.5	0	0.0
Washington	53	42	80.8	8	15.4	1	1.9	1	1.9	1	1.9
Weld	2,164	1,362	64.5	540	25.6	184	8.7	24	1.1	54	2.5
Yuma	92	70	76.9	16	17.6	5	5.5	0	0.0	1	1.1
PLANNING AND MANAGEMENT REGIONS:											
PMR 1	854	616	72.4	186	21.9	39	4.6	10	1.2	3	0.4
2	4,829	3,271	68.8	1,100	23.1	334	7.0	48	1.0	76	1.6
3	30,271	23,240	77.4	5,202	17.3	1,242	4.1	361	1.2	226	0.7
4	7,893	6,369	80.8	1,210	15.3	230	2.9	74	0.9	10	0.1
5	336	265	78.9	54	16.1	12	3.6	5	1.5	0	0.0
6	696	473	68.4	158	22.8	48	6.9	13	1.9	4	0.6
7	1,625	1,094	68.0	406	25.2	97	6.0	13	0.8	15	0.9
8	704	492	71.3	152	22.0	42	6.1	4	0.6	14	2.0
9	852	670	79.5	126	14.9	35	4.2	12	1.4	9	1.1
10	723	520	72.2	139	19.3	44	6.1	17	2.4	3	0.4
11	1,955	1,435	74.4	402	20.9	78	4.0	13	0.7	27	1.4
12	1,130	916	82.1	144	12.9	45	4.0	11	1.0	14	1.2
13	615	463	76.9	113	18.8	25	4.2	1	0.2	13	2.1
14	214	115	53.7	75	35.0	20	9.3	4	1.9	0	0.0
METRO/NON-METRO:											
Denver PMSA	26,885	20,760	77.7	4,515	16.9	1,106	4.1	334	1.3	170	0.6
Denver CMSA	30,115	23,113	77.3	5,179	17.3	1,237	4.1	361	1.2	225	0.7
Total Metro	44,182	33,609	76.6	7,862	17.9	1,893	4.3	493	1.1	325	0.7
Non-Metro	8,515	6,330	75.1	1,605	19.0	398	4.7	93	1.1	89	1.0
FIVE-REGION SUBSTATE GROUPS:											
Front Range	44,182	33,609	76.6	7,862	17.9	1,893	4.3	493	1.1	325	0.7
West Slope	4,660	3,541	76.9	811	17.6	202	4.4	53	1.2	53	1.1
East Plains	1,886	1,354	72.1	398	21.2	99	5.3	28	1.5	7	0.4
San Luis Val	704	492	71.3	152	22.0	42	6.1	4	0.6	14	2.0
Eastern Mtns	1,265	943	75.4	244	19.5	55	4.4	8	0.6	15	1.2
POPULATION-BASED REGIONS:											
1 Denver	8,252	5,678	69.2	1,883	23.0	501	6.1	141	1.7	49	0.6
2 Jefferson	6,527	5,511	85.1	750	11.6	170	2.6	43	0.7	53	0.8
3 Boulder	3,230	2,353	74.1	664	20.9	131	4.1	27	0.9	55	1.7
4 Adams	4,777	3,351	70.7	1,042	22.0	240	5.1	105	2.2	39	0.8
5 Arapahoe	6,200	5,160	83.6	784	12.7	186	3.0	45	0.7	25	0.4
6 El Paso	7,613	6,131	80.6	1,177	15.5	225	3.0	71	0.9	9	0.1
7 Larimer	2,665	1,909	72.2	560	21.2	150	5.7	24	0.9	22	0.8
8 Pueblo	1,625	1,094	68.0	406	25.2	97	6.0	13	0.8	15	0.9
9 Weld	2,164	1,362	64.5	540	25.6	184	8.7	24	1.1	54	2.5
10 Northwest	1,955	1,435	74.4	402	20.9	78	4.0	13	0.7	27	1.4
11 Western	1,853	1,436	78.2	283	15.4	89	4.8	28	1.5	17	0.9
12 Eastern	1,886	1,354	72.1	398	21.2	99	5.3	28	1.5	7	0.4
13 Central	2,180	1,888	87.4	225	10.4	44	2.0	4	0.2	19	0.9
14 Southern	1,770	1,277	73.1	353	20.2	97	5.6	20	1.1	23	1.3

A trimester is three-month period of time. The "no care" category includes births with care only at delivery. Percentages for trimesters and no care exclude births with care unknown or not stated. Percentages for "unknown/not stated" category are of total live births. See inside back cover for descriptions of regions.

Table 48. Live Births with Late (Third Trimester) or No Prenatal Care by Age of Mother by County and Region: Colorado Residents, 1989

PLACE	TOTAL	13-14	15-17	18-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
Colorado	2,877	10	271	454	10	725	1,060	619	311	121	28	1	2
Adams	345	1	31	45	1	76	134	83	37	13	1	0	0
Alamosa	11	0	1	2	0	3	6	0	1	1	0	0	0
Arapahoe	231	1	18	37	1	55	85	51	24	13	2	0	0
Archuleta	3	0	0	1	0	1	2	0	0	0	0	0	0
Baca	4	0	1	1	0	2	1	0	1	0	0	0	0
Bent	5	0	2	2	0	4	0	1	0	0	0	0	0
Boulder	158	0	11	19	0	30	48	37	29	11	3	0	0
Chaffee	6	0	0	1	0	1	3	1	1	0	0	0	0
Cheyenne	2	0	0	0	0	0	1	0	1	0	0	0	0
Clear Creek	4	0	1	0	0	1	1	2	0	0	0	0	0
Conejos	10	0	0	2	0	2	4	2	1	1	0	0	0
Costilla	4	0	0	0	0	0	2	1	1	0	0	0	0
Crowley	0	0	0	0	0	0	0	0	0	0	0	0	0
Custer	1	0	0	0	0	0	0	0	0	0	1	0	0
Delta	27	1	2	4	1	6	8	2	4	6	0	0	0
Denver	642	3	66	104	3	170	223	145	67	25	7	0	2
Dolores	0	0	0	0	0	0	0	0	0	0	0	0	0
Douglas	9	0	0	2	0	2	3	1	3	0	0	0	0
Eagle	26	0	3	2	0	5	8	8	4	1	0	0	0
Elbert	7	0	0	2	0	2	4	0	1	0	0	0	0
El Paso	296	0	26	53	0	79	129	52	24	11	1	0	0
Fremont	12	0	0	2	0	2	6	0	2	2	0	0	0
Garfield	28	0	1	6	0	7	11	6	3	1	0	0	0
Gilpin	1	0	0	0	0	0	0	0	1	0	0	0	0
Grand	9	0	0	1	0	1	4	3	1	0	0	0	0
Gunnison	0	0	0	0	0	0	0	0	0	0	0	0	0
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	9	0	0	2	0	2	3	4	0	0	0	0	0
Jackson	1	0	0	0	0	0	0	0	1	0	0	0	0
Jefferson	213	2	19	32	2	51	74	44	29	10	3	0	0
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0	0
Kit Carson	6	0	1	1	0	2	3	1	0	0	0	0	0
Lake	7	0	0	0	0	0	4	1	2	0	0	0	0
La Plata	13	0	2	2	0	4	3	3	2	1	0	0	0
Larimer	174	0	13	33	0	46	67	39	15	5	2	0	0
Las Animas	15	0	3	5	0	8	3	3	1	0	0	0	0
Lincoln	2	0	0	0	0	0	1	0	0	1	0	0	0
Logan	11	0	2	4	0	6	2	1	1	0	1	0	0
Mesa	50	0	11	9	0	20	17	5	5	2	1	0	0
Mineral	0	0	0	0	0	0	0	0	0	0	0	0	0
Moffat	10	0	1	2	0	3	1	4	1	1	0	0	0
Montezuma	30	0	2	2	0	4	11	5	5	2	2	1	0
Montrose	33	0	2	4	0	6	16	9	2	0	0	0	0
Morgan	30	0	2	7	0	9	12	5	4	0	0	0	0
Otero	26	0	3	5	0	8	12	4	0	2	0	0	0
Ouray	1	0	0	0	0	0	0	0	0	1	0	0	0
Park	3	0	0	0	0	0	1	1	1	0	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0	0	0	0
Pitkin	5	0	0	0	0	0	1	0	3	1	0	0	0
Prowers	26	0	0	4	0	4	11	8	2	0	1	0	0
Pueblo	110	2	16	16	2	32	38	24	7	6	1	0	0
Rio Blanco	3	0	0	0	0	0	1	1	1	0	0	0	0
Rio Grande	16	0	2	3	0	5	7	2	1	0	1	0	0
Routt	8	0	0	1	0	1	2	2	1	1	1	0	0
Saguache	5	0	0	0	0	0	1	2	2	0	0	0	0
San Juan	1	0	0	0	0	0	1	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0	0	0	0	0	0	0	0

PLACE	TOTAL	13-14	15-17	18-19	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
Sedgwick	1	0	0	0	0	0	0	1	0	0	0	0	0
Summit	7	0	0	0	0	0	2	5	0	0	0	0	0
Teller	5	0	0	0	0	0	3	0	1	1	0	0	0
Washington	2	0	2	0	0	2	0	0	0	0	0	0	0
Weld	208	0	27	34	0	61	78	50	17	2	0	0	0
Yuma	5	0	0	2	0	2	2	0	1	0	0	0	0
PLANNING AND MANAGEMENT REGIONS:													
PMR 1	49	0	6	13	0	19	16	7	6	0	1	0	0
2	382	0	40	67	0	107	145	89	32	7	2	0	0
3	1,603	7	146	239	7	385	568	363	190	72	16	0	2
4	304	0	26	53	0	79	133	53	26	12	1	0	0
5	17	0	1	3	0	4	9	1	2	1	0	0	0
6	61	0	6	12	0	18	24	13	3	2	1	0	0
7	110	2	16	16	2	32	38	24	7	6	1	0	0
8	46	0	3	7	0	10	20	7	6	2	1	0	0
9	47	0	4	5	0	9	17	8	7	3	2	1	0
10	61	1	4	8	1	12	24	11	6	7	0	0	0
11	91	0	13	17	0	30	30	16	10	4	1	0	0
12	56	0	3	4	0	7	17	18	10	3	1	0	0
13	26	0	0	3	0	3	13	2	5	2	1	0	0
14	24	0	3	7	0	10	6	7	1	0	0	0	0
METRO/NON-METRO:													
Denver PMSA	1,440	7	134	220	7	354	519	324	160	61	13	0	2
Denver CMSA	1,598	7	145	239	7	384	567	361	189	72	16	0	2
Total Metro	2,386	9	227	375	9	602	879	526	252	96	20	0	2
Non-Metro	491	1	44	79	1	123	181	93	59	25	8	1	0
FIVE-REGION SUBSTATE GROUPS:													
Front Range	2,386	9	227	375	9	602	879	526	252	96	20	0	2
Western Slope	255	1	24	34	1	58	88	53	33	17	4	1	0
Eastern Plains	127	0	13	28	0	41	49	21	11	3	2	0	0
San Luis Valley	46	0	3	7	0	10	20	7	6	2	1	0	0
Eastern Mtns	63	0	4	10	0	14	24	12	9	3	1	0	0
POPULATION-BASED REGIONS:													
1 Denver	642	3	66	104	3	170	223	145	67	25	7	0	2
2 Jefferson	213	2	19	32	2	51	74	44	29	10	3	0	0
3 Boulder	158	0	11	19	0	30	48	37	29	11	3	0	0
4 Adams	345	1	31	45	1	76	134	83	37	13	1	0	0
5 Arapahoe	231	1	18	37	1	55	85	51	24	13	2	0	0
6 El Paso	296	0	26	53	0	79	129	52	24	11	1	0	0
7 Larimer	174	0	13	33	0	46	67	39	15	5	2	0	0
8 Pueblo	110	2	16	16	2	32	38	24	7	6	1	0	0
9 Weld	208	0	27	34	0	61	78	50	17	2	0	0	0
10 Northwest Re	91	0	13	17	0	30	30	16	10	4	1	0	0
11 Western Reg	117	1	7	12	1	19	41	29	16	10	1	0	0
12 Eastern Reg	127	0	13	28	0	41	49	21	11	3	2	0	0
13 Central Reg	48	0	1	5	0	6	21	6	11	3	1	0	0
14 Southern Reg	117	0	10	19	0	29	43	22	14	5	3	1	0

A trimester is a three-month period of time. See inside back cover for descriptions of regions.

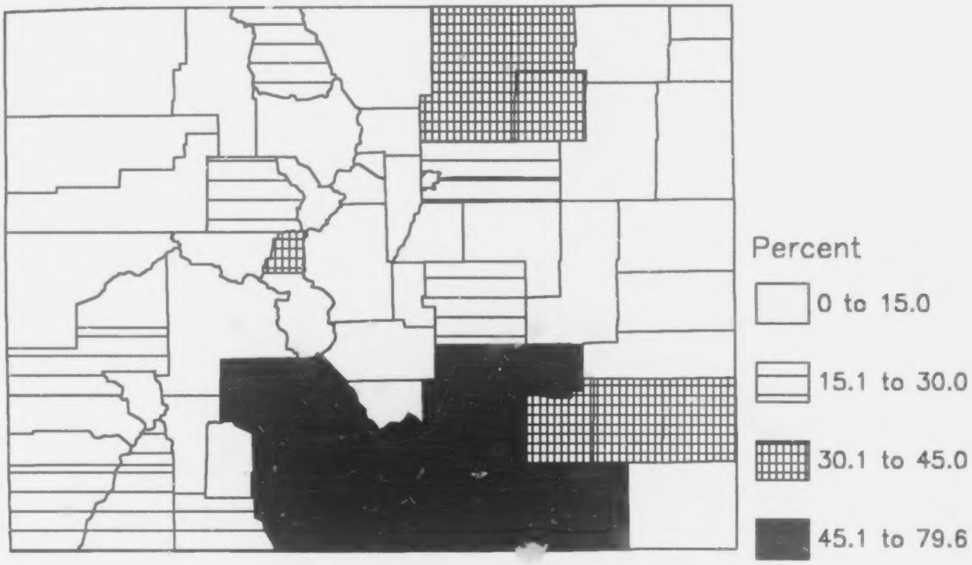
Table 49. Educational Attainment of Mother and Live-Birth Order by County and Region Colorado Residents, 1989

PLACE	TOTAL LIVE BIRTHS	MOTHER'S EDUCATION <12 YEARS	12+ YEARS	UNK	FIRST NUMBER	FIRST PERCENT	SECOND NUMBER	SECOND PERCENT	THIRD NUMBER	THIRD PERCENT	FOURTH NUMBER	FOURTH PERCENT	FIFTH + NUMBER	FIFTH + PERCENT	UNK/NOT STATED
Colorado	52,697	9,143	43,110	444	21,506	40.9	17,635	33.5	8,715	16.6	3,073	5.8	1,676	3.2	92
Adams	4,777	1,079	3,644	54	1,819	38.2	1,670	35.0	800	16.8	316	6.6	163	3.4	9
Alamosa	234	51	180	3	94	40.2	86	36.8	31	13.2	13	5.6	10	4.3	0
Arapahoe	6,200	578	5,578	44	2,648	42.8	2,169	35.0	962	15.5	283	4.6	131	2.1	7
Archuleta	84	10	72	2	34	40.5	29	34.5	12	14.3	4	4.8	5	6.0	0
Baca	51	8	42	1	21	41.2	15	29.4	9	17.6	5	9.8	1	2.0	0
Bent	64	21	43	0	24	37.5	25	39.1	9	14.1	3	4.7	3	4.7	0
Boulder	3,230	368	2,799	63	1,405	43.6	1,110	34.4	482	15.0	162	5.0	65	2.0	6
Chaffee	132	25	107	0	40	30.3	45	34.1	28	21.2	12	9.1	7	5.3	0
Cheyenne	46	5	41	0	10	21.7	16	34.8	12	26.1	6	13.0	2	4.3	0
Clear Creek	115	17	98	0	52	45.6	34	29.8	20	17.5	6	5.3	2	1.8	1
Conejos	137	22	114	1	45	32.8	29	21.2	33	24.1	12	8.8	18	13.1	0
Costilla	54	14	40	0	14	25.9	26	48.1	6	11.1	3	5.6	5	9.3	0
Crowley	32	11	21	0	11	34.4	12	37.5	4	12.5	2	6.3	3	9.4	0
Custer	24	1	22	1	6	25.0	6	25.0	8	33.3	2	8.3	2	8.3	0
Delta	241	60	180	1	91	37.8	86	35.7	32	13.3	13	5.4	19	7.9	0
Denver	8,252	2,460	5,660	132	3,412	41.4	2,548	30.9	1,359	16.5	544	6.6	378	4.6	11
Dolores	18	7	10	1	8	44.4	6	33.3	3	16.7	0	0.0	1	5.6	0
Douglas	1,129	39	1,081	9	451	40.0	419	37.1	201	17.8	46	4.1	11	1.0	1
Eagle	415	51	361	3	189	45.8	140	33.9	59	14.3	18	4.4	7	1.7	2
Elbert	122	6	115	1	54	44.3	38	31.1	17	13.9	7	5.7	6	4.9	0
El Paso	7,613	1,028	6,569	16	3,177	41.8	2,605	34.2	1,240	16.3	412	5.4	174	2.3	5
Fremont	366	80	285	1	133	36.3	112	30.6	78	21.3	21	5.7	22	6.0	0
Garfield	445	63	380	2	170	38.3	164	36.9	69	15.5	30	6.8	11	2.5	1
Gilpin	41	3	37	1	19	46.3	6	14.6	12	29.3	2	4.9	2	4.9	0
Grand	110	8	101	1	50	45.5	37	33.6	14	12.7	8	7.3	1	0.9	0
Gunnison	126	10	116	0	53	42.1	47	37.3	19	15.1	7	5.6	0	0.0	0
Hinsdale	5	1	4	0	2	40.0	1	20.0	2	40.0	0	0.0	0	0.0	0
Huerfano	59	12	47	0	22	37.9	15	25.9	8	13.8	8	13.8	5	8.6	1
Jackson	21	4	17	0	7	33.3	9	42.9	3	14.3	0	0.0	2	9.5	0
Jefferson	6,527	643	5,836	48	2,836	43.5	2,177	33.4	1,015	15.6	342	5.2	148	2.3	9
Kiowa	20	2	18	0	7	35.0	8	40.0	3	15.0	1	5.0	1	5.0	0
Kit Carson	112	23	89	0	36	32.4	38	34.2	21	18.9	11	9.9	5	4.5	1
Lake	93	21	72	0	45	48.4	26	28.0	15	16.1	6	6.5	1	1.1	0
La Plata	427	45	377	5	154	36.1	141	33.0	88	20.6	28	6.6	16	3.7	0
Larimer	2,665	315	2,329	21	1,054	39.7	925	34.8	446	16.8	152	5.7	80	3.0	8
Las Animas	155	34	120	1	69	44.8	41	26.6	24	15.6	10	6.5	10	6.5	1
Lincoln	56	6	50	0	18	32.1	23	41.1	10	17.9	3	5.4	2	3.6	0
Logan	243	35	208	0	94	38.8	88	36.4	42	17.4	10	4.1	8	3.3	1
Mesa	1,246	290	953	3	486	39.1	414	33.3	235	18.9	77	6.2	31	2.5	3
Mineral	9	1	8	0	1	11.1	4	44.4	4	44.4	0	0.0	0	0.0	0
Moffat	175	31	143	1	63	36.0	50	28.6	44	25.1	15	8.6	3	1.7	0
Montezuma	316	77	234	5	102	32.3	91	28.8	77	24.4	22	7.0	24	7.6	0
Montrose	286	72	210	4	102	35.8	92	32.3	47	16.5	27	9.5	17	6.0	1
Morgan	3[illegible]	134	252	0	134	34.9	113	29.4	88	22.9	34	8.9	15	3.9	2
Otero	[illegible]2	88	233	1	133	41.3	97	30.1	51	15.8	22	6.8	19	5.9	0
Ouray	22	1	21	0	8	36.4	10	45.5	2	9.1	1	4.5	1	4.5	0
Park	90	4	86	0	33	36.7	30	33.3	17	18.9	5	5.6	5	5.6	0
Phillips	52	9	43	0	20	38.5	15	28.8	11	21.2	3	5.8	3	5.8	0
Pitkin	168	11	153	4	85	51.5	63	38.2	12	7.3	2	1.2	3	1.8	3
Prowers	207	64	143	0	80	38.6	71	34.3	36	17.4	10	4.8	10	4.8	0
Pueblo	1,625	395	1,227	3	632	39.1	501	31.0	299	18.5	118	7.3	66	4.1	9
Rio Blanco	89	9	80	0	25	28.1	33	37.1	19	21.3	5	5.6	7	7.9	0
Rio Grande	195	60	134	1	72	37.3	57	29.5	46	23.8	13	6.7	5	2.6	2
Routt	220	12	208	0	86	39.1	82	37.3	33	15.0	13	5.9	6	2.7	0
Saguache	75	28	46	1	23	30.7	25	33.3	19	25.3	2	2.7	6	8.0	0
San Juan	7	3	4	0	0	0.0	3	42.9	3	42.9	1	14.3	0	0.0	0
San Miguel	43	1	42	0	20	46.5	15	34.9	4	9.3	1	2.3	3	7.0	0

PLACE	TOTAL LIVE BIRTHS	MOTHER'S EDUCATION <12 YEARS	12+ YEARS	UNK	FIRST		SECOND		THIRD		FOURTH		FIFTH +		UNK/NOT STATED
					NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	
Sedgwick	28	2	26	0	5	17.9	11	39.3	7	25.0	1	3.6	4	14.3	0
Summit	196	9	186	1	85	43.6	85	43.6	15	7.7	7	3.6	3	1.5	1
Teller	190	8	182	0	75	39.5	58	30.5	38	20.0	10	5.3	9	4.7	0
Washington	53	13	40	0	22	41.5	11	20.8	14	26.4	5	9.4	1	1.9	0
Weld	2,164	642	1,515	7	804	37.3	704	32.6	381	17.7	167	7.7	101	4.7	7
Yuma	92	13	78	1	36	39.1	28	30.4	17	18.5	4	4.3	7	7.6	0
PLANNING AND MANAGEMENT REGIONS:															
PMR 1	854	206	647	1	311	36.5	266	31.3	179	21.0	57	6.7	38	4.5	3
2	4,829	957	3,844	28	1,858	38.6	1,629	33.8	827	17.2	319	6.6	181	3.8	15
3	30,271	5,187	24,733	351	12,642	41.8	10,133	33.5	4,851	16.0	1,701	5.6	900	3.0	44
4	7,893	1,040	6,837	16	3,285	41.6	2,693	34.1	1,295	16.4	427	5.4	188	2.4	5
5	336	40	295	1	118	35.2	115	34.3	60	17.9	27	8.1	15	4.5	1
6	696	194	500	2	276	39.7	228	32.8	112	16.1	43	6.2	37	5.3	0
7	1,625	395	1,227	3	632	39.1	501	31.0	299	18.5	118	7.3	66	4.1	9
8	704	176	522	6	249	35.5	227	32.3	139	19.8	43	6.1	44	6.3	2
9	852	142	697	13	298	35.0	270	31.7	183	21.5	55	6.5	46	5.4	0
10	723	145	573	5	276	38.2	251	34.8	106	14.7	49	6.8	40	5.5	1
11	1,955	393	1,556	6	744	38.1	661	33.9	367	18.8	127	6.5	52	2.7	4
12	1,130	95	1,026	9	502	44.7	416	37.0	136	12.1	48	4.3	22	2.0	6
13	615	127	486	2	224	36.4	189	30.7	129	21.0	41	6.7	32	5.2	0
14	214	46	167	1	91	42.9	56	26.4	32	15.1	18	8.5	15	7.1	2
METRO/NON-METRO:															
Denver PMSA	26,885	4,799	21,799	287	11,166	41.6	8,983	33.5	4,337	16.2	1,531	5.7	831	3.1	37
Denver CMSA	30,115	5,167	24,598	350	12,571	41.8	10,093	33.6	4,819	16.0	1,693	5.6	896	3.0	43
Total Metro	44,182	7,547	36,238	397	18,238	41.3	14,828	33.6	7,185	16.3	2,542	5.8	1,317	3.0	72
Non-Metro	8,515	1,596	6,872	47	3,268	38.5	2,807	33.0	1,530	18.0	531	6.3	359	4.2	20
FIVE-REGION SUBSTATE GROUPS:															
Front Range	44,182	7,547	36,238	397	18,238	41.3	14,828	33.6	7,185	16.3	2,542	5.8	1,317	3.0	72
West Slope	4,660	775	3,852	33	1,820	39.1	1,598	34.4	792	17.0	279	6.0	160	3.4	11
East Plains	1,886	440	1,442	4	705	37.5	609	32.4	351	18.7	127	6.7	90	4.8	4
San Luis Val	704	176	522	6	249	35.5	227	32.3	139	19.8	43	6.1	44	6.3	2
Eastern Mtns	1,265	205	1,056	4	494	39.1	373	29.6	248	19.7	82	6.5	65	5.2	3
POPULATION-BASED REGIONS:															
1 Denver	8,252	2,460	5,660	132	3,412	41.4	2,548	30.9	1,359	16.5	544	6.6	378	4.6	11
2 Jefferson	6,527	643	5,836	48	2,836	43.5	2,177	33.4	1,015	15.6	342	5.2	148	2.3	9
3 Boulder	3,230	368	2,799	63	1,405	43.6	1,110	34.4	482	15.0	162	5.0	65	2.0	6
4 Adams	4,777	1,079	3,644	54	1,819	38.2	1,670	35.0	800	16.8	316	6.6	163	3.4	9
5 Arapahoe	6,200	578	5,578	44	2,648	42.8	2,169	35.0	962	15.5	283	4.6	131	2.1	7
6 El Paso	7,613	1,028	6,569	16	3,177	41.8	2,605	34.2	1,240	16.3	412	5.4	174	2.3	5
7 Larimer	2,665	315	2,329	21	1,054	39.7	925	34.8	446	16.8	152	5.7	80	3.0	8
8 Pueblo	1,625	395	1,227	3	632	39.1	501	31.0	299	18.5	118	7.3	66	4.1	9
9 Weld	2,164	642	1,515	7	804	37.3	704	32.6	381	17.7	167	7.7	101	4.7	7
10 Northwest	1,955	393	1,556	6	744	38.1	661	33.9	367	18.8	127	6.5	52	2.7	4
11 Western	1,853	240	1,599	14	778	42.1	667	36.1	242	13.1	97	5.3	62	3.4	7
12 Eastern	1,886	440	1,442	4	705	37.5	609	32.4	351	18.7	127	6.7	90	4.8	4
13 Central	2,180	198	1,970	12	854	39.2	736	33.8	417	19.1	110	5.1	61	2.8	2
14 Southern	1,770	364	1,386	20	638	36.1	553	31.3	354	20.0	116	6.6	105	5.9	4

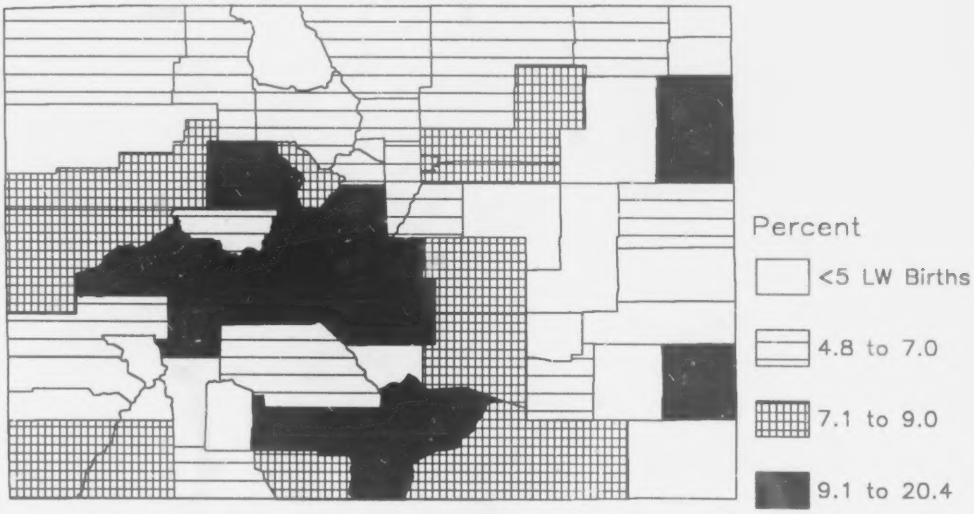
Percentages for live-birth order exclude cases where birth order was unknown or not stated. See inside back cover for descriptions of regions.

Figure 25. Percent of Births to Minority Mothers by County: Colorado Residents, 1989


Percent
0 to 15.0
15.1 to 30.0
30.1 to 45.0
45.1 to 79.6

Minority status includes white Spanish origin, black, Asian and native American.

Figure 26. Percent Low Weight Births by County: Colorado Residents, 1989


Percent
<5 LW Births
4.8 to 7.0
7.1 to 9.0
9.1 to 20.4

Percents for counties with fewer than 5 low weight births were excluded from consideration. Percentages based on few cases must be viewed with caution.

Part Four. Spontaneous Fetal Deaths

Changes in Data Compilation

In 1989 a new form, the Certificate of Fetal Death, was adopted in Colorado for reporting of spontaneous fetal deaths of all gestations. Before 1989 two forms were used, one for fetal deaths estimated at 20 weeks gestation or greater and another, simplified form for fetal deaths of less than 20 weeks gestation.

It appears that underreporting for early fetal deaths (<20 weeks gestation) increased in 1989. In addition, less detailed information was provided for those events that were reported. These losses necessitate that data in this report be limited to late fetal deaths (20+ weeks gestation). Reporting of these late fetal deaths appears to have been unaffected by revision of the reporting form.

One result of this change in data compilation is that reported pregnancy rates based on all outcomes of pregnancy no longer can be calculated. Reported pregnancy rates have been a frequently used indicator for trends in age-specific pregnancy, particularly among teens.

The usefulness of reported pregnancy rates always was limited by underreporting of early fetal deaths and induced terminations of pregnancy. Age-specific fertility rates, based on live births, are considered to be the most reliable pregnancy measure. Reporting of live births is substantially complete. Age-specific data for induced terminations of pregnancy also will continue to be compiled.

Number of Spontaneous Fetal Deaths

The number of spontaneous fetal deaths of all gestations reported as occurring in Colorado in 1989 decreased to 1,978 in 1989, down from 2,363 in 1988 and 2,588 in 1987. The decrease is thought to reflect reporting changes noted earlier.

Early fetal deaths occurring in Colorado in 1989 totaled 1,583, down from 1,991 in 1988 and 2,206 in 1987. By comparison, the number of late fetal deaths increased slightly in 1989 to 395, up from 372 in 1988 and 382 in 1987.

Table 50 presents reported spontaneous fetal death counts for Colorado as available for the years 1947 through 1989.

Place of Residence

Colorado residents accounted for 380 of the 395 late fetal deaths in 1989. Information on fetal deaths to Colorado residents outside the state is not available.

Fetal deaths in Colorado to residents of other states in 1989 included 4 from Wyoming, 3 from New Mexico, 3 from Montana, 2 from Nebraska, and 1 each from California, North Dakota and Ohio.

Gestational Age

Fetal death is most frequent early in pregnancy. Of the 395 fetal deaths (20+ weeks) in 1989, 175 had clinical estimates of gestational age of 20-27 weeks, 44.3 percent of total. Table 51 shows clinical estimates of gestation by age of mother for fetal deaths in 1989.

These data differ from those appearing in earlier editions of this report. Gestational ages formerly were calculated from date of last normal menses and therefore are not comparable to gestation based on clinical estimates.

Fetal Mortality Ratio (20+ Weeks Gestation)

The Colorado resident fetal mortality ratio was 7.5 fetal deaths per 1,000 live births in 1989, up from 6.7 in 1988 and 6.9 in 1987.

Age of Women

Fetal death (20+ weeks) increases with age of mother. In 1989, the highest fetal mortality ratios occurred among women aged 40 and older.

When fetal deaths with age of mother missing are distributed proportionately, the fetal mortality ratio for ages 40-44 was 24.8 fetal deaths per 1,000 live births. The ratio for ages 45-49 were much higher at 140.7 but is based on only 2 fetal deaths and 15 live births.

Fetal mortality ratios were lowest for mothers aged 15-19 at 3.8, followed by a ratio of 6.6 for ages 20-24, 6.7 for ages 25-29, 7.2 for ages 30-34, and 12.4 for ages 35-39.

In terms of actual numbers of events, the greatest counts predictably occur among the age groups with the most pregnant women. In 1989, 109 fetal deaths (20+ weeks) in Colorado occurred to women aged 25-29. Women aged 30-34 had 84 fetal deaths, followed by ages 20-24 with 82, ages 35-39 with 58, ages 15-19 with 24, ages 40-44 with 15, and ages 45-49 with 2. Age of mother was not reported for 21 fetal deaths.

Race/Ethnicity of Mother

Of the 380 Colorado resident fetal deaths (20+ weeks) in 1989, 256 or 67.4 percent were to white (non-Spanish origin) women. Hispanic (white, Spanish origin) women accounted for 66 fetal deaths, black women had 34, Asian women had 13, and Native Americans had 6. Five fetal deaths did not have race/ethnicity of mother reported.

Fetal mortality ratios were higher for minority women than for whites. Resident native Americans, blacks and Asians experienced the highest ratios. Fetal mortality ratios were 12.9 fetal deaths per 1,000 live births for native Americans, 12.4 for blacks, 11.1 for Asians, 7.9 for Hispanics, and 6.4 for whites.

Table 52 shows Colorado resident spontaneous fetal deaths by race/ethnicity and age of mother in 1989.

Causes of Fetal Death

Cause-of-death reporting for fetal deaths is limited to categories of congenital anomalies and perinatal period conditions, with International Classification of Disease (9th Revision) codes 740-779. Cause of death was reported for only 248 of the 395 Colorado occurrence fetal deaths (20+ weeks) in 1989, 62.8 percent of total.

Half (125) of fetal deaths with cause of death reported had complications of placenta, cord and membranes mentioned. These complications include placental separation and hemorrhage and compression of cord.

Maternal complications of pregnancy, such as premature rupture of membranes and multiple pregnancy, were reported for 35 fetal deaths. Congenital anomalies of all types were reported for 26 fetal deaths. Eighteen fetal deaths had extreme immaturity mentioned.

Maternal complications that may be unrelated to pregnancy was reported for 11 fetal deaths, 9 of which were from maternal hypertensive disorders.

The incompleteness of fetal cause-of-death data makes assessment difficult. In addition, causes of fetal death are assigned as reported and not subjected to the rigorous edits that are characteristic of standard cause-of-death classification.

Spontaneous Fetal Death (20+ Weeks) Data by County and Region

Table 53 presents counts of spontaneous fetal deaths with estimated gestations of 20 weeks or greater by age of mother and county and region of residence. Fetal mortality ratios for places with at least 5 fetal deaths are included. Care should be used in assessing these data because of the small numbers of cases often involved.

Table 50. Reported Spontaneous Fetal Deaths: Colorado Occurrences, 1947-1989

Year	<20 Weeks	20+ Weeks	Gestation Unknown or Not Stated	Total Reported
1947	-	625	-	-
1948	-	552	-	-
1949	-	547	-	-
1950	-	527	-	-
1951	-	525	-	-
1952	-	579	-	-
1953	-	539	-	-
1954	-	-	-	1,833
1955	-	-	-	1,979
1956	-	-	-	1,989
1957	-	-	-	2,241
1958	-	-	-	2,485
1959	-	-	-	2,250
1960	-	-	-	2,249
1961	1,461	600	133	2,194
1962	1,573	575	194	2,342
1963	1,557	633	128	2,318
1964	1,501	523	138	2,162
1965	1,237	466	135	1,838
1966	1,169	402	96	1,667
1967	-	475	-	-
1968	1,963	598	664	3,225
1969	2,594	768	500	3,862
1970	-	836	-	-
1971	-	832	-	-
1972	-	604	-	-
1973	-	528	-	-
1974	-	566	-	-
1975	-	561	-	-
1976	-	582	-	-
1977	-	625	-	-
1978	-	571	-	-
1979	-	419	-	-
1980	2,376	420	0	2,796
1981	2,576	471	0	3,047
1982	2,586	498	0	3,084
1983	2,731	479	0	3,210
1984	2,561	449	0	3,010
1985	2,411	426	0	2,837
1986	2,108	384	0	2,492
1987	2,206	382	0	2,588
1988	1,991	372	0	2,363
1989	1,583	395	0	1,978

Data are presented as available. Figures for 1970, 1971, and 1973 are for Colorado resident occurrence events only. Underreporting must be considered in any use of these data. Decreases in reported fetal deaths (<20 weeks) between 1988 and 1989 reflect response to new reporting forms in use starting January 1989.

Table 51. Reported Spontaneous Fetal Deaths (20+ Weeks) by Age of Women and Clinical Estimate of Weeks Gestation: Colorado Occurrences, 1989

CALCULATED WEEKS GESTATION	TOTAL	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
Total	395	0	24	82	109	84	58	15	2	21
20-27	175	0	10	38	47	33	29	7	0	11
28-35	100	0	6	14	27	28	13	6	0	6
36-39	77	0	5	17	24	16	12	0	0	3
40+	43	0	3	13	11	7	4	2	2	1
Unknown/ Not Stated	0	0	0	0	0	0	0	0	0	0

Counts are by clinical estimate rather than calculated estimate, which was used in versions of this table in previous annual reports.

Table 52. Reported Spontaneous Fetal Deaths (20+ Weeks) by Age and Race/Ethnicity of Mother: Colorado Residents, 1989

RACE	TOTAL	13-14	15-17	18-19	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN/ NOT STATED
All Races	380	0	6	15	21	21	80	105	82	54	15	2	21
Total White	322	0	5	12	17	17	67	84	73	48	14	2	17
Non-Spanish Origin	256	0	1	6	12	7	48	68	65	41	14	1	12
Spanish Origin	66	0	4	6	5	10	19	16	8	7	0	1	5
Total Non-White	53	0	1	3	3	4	12	19	9	5	1	0	3
Black	34	0	1	0	2	1	8	13	6	3	1	0	2
Native American	6	0	0	2	0	2	2	1	0	1	0	0	0
Asian	13	0	0	1	1	1	2	5	3	1	0	0	1
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown/Not Stated	5	0	0	0	1	0	1	2	0	1	0	0	1

Table 53. Reported Spontaneous Fetal Deaths (20+ Weeks) by Age of Mother with Selected Fetal Mortality Ratios by County and Region: Colorado Residents, 1989

PLACE	TOTAL FETAL DEATHS	LIVE BIRTHS	FETAL MORTALITY RATIO	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
Colorado	380	52,697	7.2	0	21	80	105	82	54	15	2	21
Adams	31	4,777	6.5	0	1	4	6	10	5	0	0	5
Alamosa	2	234	-	0	0	0	1	0	1	0	0	0
Arapahoe	42	6,200	6.8	0	1	8	11	9	10	2	0	1
Archuleta	1	84	-	0	0	1	0	0	0	0	0	0
Baca	0	51	-	0	0	0	0	0	0	0	0	0
Bent	0	64	-	0	0	0	0	0	0	0	0	0
Boulder	18	3,230	5.6	0	1	2	5	6	0	2	0	2
Chaffee	0	132	-	0	0	0	0	0	0	0	0	0
Cheyenne	0	46	-	0	0	0	0	0	0	0	0	0
Clear Creek	0	115	-	0	0	0	0	0	0	0	0	0
Conejos	1	137	-	0	0	0	1	0	0	0	0	0
Costilla	1	54	-	0	0	0	1	0	0	0	0	0
Crowley	0	32	-	0	0	0	0	0	0	0	0	0
Custer	2	24	-	0	0	1	0	0	0	1	0	0
Delta	2	241	-	0	0	1	0	0	0	0	0	1
Denver	69	8,252	8.4	0	6	15	17	16	9	2	1	3
Dolores	0	18	-	0	0	0	0	0	0	0	0	0
Douglas	11	1,129	9.7	0	0	1	1	4	1	2	0	2
Eagle	1	415	-	0	0	0	1	0	0	0	0	0
Elbert	0	122	-	0	0	0	0	0	0	0	0	0
El Paso	56	7,613	7.4	0	1	12	22	11	8	2	0	0
Fremont	7	366	19.1	0	1	3	0	2	1	0	0	0
Garfield	2	445	-	0	0	0	1	0	1	0	0	0
Gilpin	2	41	-	0	0	1	0	0	0	1	0	0
Grand	1	110	-	0	0	0	0	0	0	0	0	1
Gunnison	3	126	-	0	1	0	0	1	1	0	0	0
Hinsdale	0	5	-	0	0	0	0	0	0	0	0	0
Huerfano	2	59	-	0	0	1	0	1	0	0	0	0
Jackson	0	21	-	0	0	0	0	0	0	0	0	0
Jefferson	50	6,527	7.7	0	3	11	14	12	4	1	0	5
Kiowa	0	20	-	0	0	0	0	0	0	0	0	0
Kit Carson	0	112	-	0	0	0	0	0	0	0	0	0
Lake	1	93	-	0	0	0	1	0	0	0	0	0
La Plata	5	427	11.7	0	0	1	0	2	1	1	0	0
Larimer	17	2,665	6.4	0	1	1	7	2	4	0	1	1
Las Animas	2	155	-	0	0	1	1	0	0	0	0	0
Lincoln	1	56	-	0	0	1	0	0	0	0	0	0
Logan	1	243	-	0	0	0	1	0	0	0	0	0
Mesa	9	1,246	7.2	0	0	4	2	1	1	1	0	0
Mineral	0	9	-	0	0	0	0	0	0	0	0	0
Moffat	0	175	-	0	0	0	0	0	0	0	0	0
Montezuma	2	316	-	0	1	0	0	0	1	0	0	0
Montrose	0	286	-	0	0	0	0	0	0	0	0	0
Morgan	0	386	-	0	0	0	0	0	0	0	0	0
Otero	1	322	-	0	1	0	0	0	0	0	0	0
Ouray	0	22	-	0	0	0	0	0	0	0	0	0
Park	4	90	-	0	0	2	1	0	1	0	0	0
Phillips	0	52	-	0	0	0	0	0	0	0	0	0
Pitkin	0	168	-	0	0	0	0	0	0	0	0	0
Prowers	4	207	-	0	0	2	1	0	1	0	0	0
Pueblo	12	1,625	7.4	0	2	4	4	2	0	0	0	0
Rio Blanco	0	89	-	0	0	0	0	0	0	0	0	0
Rio Grande	0	195	-	0	0	0	0	0	0	0	0	0
Routt	0	220	-	0	0	0	0	0	0	0	0	0
Saguache	0	75	-	0	0	0	0	0	0	0	0	0
San Juan	0	7	-	0	0	0	0	0	0	0	0	0
San Miguel	0	43	-	0	0	0	0	0	0	0	0	0

Table 53, Continued.

PLACE	FETAL MORTALITY RATIO	LIVE BIRTHS	FETAL MORTALITY RATIO	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
Sedgwick	0	28	-	0	0	0	0	0	0	0	0	0
Summit	1	196	-	0	0	0	0	0	1	0	0	0
Teller	2	190	-	0	0	2	0	0	0	0	0	0
Washington	0	53	-	0	0	0	0	0	0	0	0	0
Weld	12	2,164	5.5	0	1	1	4	3	3	0	0	0
Yuma	2	92	-	0	0	0	2	0	0	0	0	0
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	3	854	-	0	0	0	3	0	0	0	0	0
2	29	4,829	6.0	0	2	2	11	5	7	0	1	1
3	223	30,271	7.4	0	12	42	54	57	29	10	1	18
4	62	7,893	7.9	0	1	16	23	11	9	2	0	0
5	1	336	-	0	0	1	0	0	0	0	0	0
6	5	696	7.2	0	1	2	1	0	1	0	0	0
7	12	1,625	7.4	0	2	4	4	2	0	0	0	0
8	4	704	-	0	0	0	3	0	1	0	0	0
9	8	852	9.4	0	1	2	0	2	2	1	0	0
10	5	723	6.9	0	1	1	0	1	1	0	0	1
11	11	1,955	5.6	0	0	4	3	1	2	1	0	0
12	3	1,130	-	0	0	0	1	0	1	0	0	1
13	10	615	16.3	0	1	4	1	2	1	1	0	0
14	4	214	-	0	0	2	1	1	0	0	0	0
METRO/NON-METRO:												
Denver PMSA	203	26,885	7.6	0	11	39	49	51	29	7	1	16
Denver CMSA	221	30,115	7.3	0	12	41	54	57	29	9	1	18
Total Metro	318	44,182	7.2	0	17	59	91	75	44	11	2	19
Non-Metro	62	8,515	7.3	0	4	21	14	7	10	4	0	2
FIVE-REGION SUBSTATE GROUPS:												
Front Range	318	44,182	7.2	0	17	59	91	75	44	11	2	19
Western Slope	27	4,660	5.8	0	2	7	4	4	6	2	0	2
East Plains	9	1,886	4.8	0	1	3	4	0	1	0	0	0
San Luis Valley	4	704	-	0	0	0	3	0	1	0	0	0
Eastern Mountains	22	1,265	17.4	0	1	11	3	3	2	2	0	0
POPULATION-BASED REGIONS:												
1 Denver	69	8,252	8.4	0	6	15	17	16	9	2	1	3
2 Jefferson	50	6,527	7.7	0	3	11	14	12	4	1	0	5
3 Boulder	18	3,230	5.6	0	1	2	5	6	0	2	0	2
4 Adams	31	4,777	6.5	0	1	4	6	10	5	0	0	5
5 Arapahoe	42	6,200	6.8	0	1	8	11	9	10	2	0	1
6 El Paso	56	7,613	7.4	0	1	12	22	11	8	2	0	0
7 Larimer	17	2,665	6.4	0	1	1	7	2	4	0	1	1
8 Pueblo	12	1,625	7.4	0	2	4	4	2	0	0	0	0
9 Weld	12	2,164	5.5	0	1	1	4	3	3	0	0	0
10 Northwest Reg	11	1,955	5.6	0	0	4	3	1	2	1	0	0
11 Western Reg	8	1,853	4.3	0	1	1	1	1	2	0	0	2
12 Eastern Reg	9	1,886	4.8	0	1	3	4	0	1	0	0	0
13 Central Reg	29	2,180	13.3	0	1	10	3	6	3	4	0	2
14 Southern Reg	16	1,770	9.0	0	1	4	4	3	3	1	0	0

Resident fetal deaths include only those events occurring in Colorado. Ratios are spontaneous fetal deaths (20+ weeks gestation) per 1,000 live births. Ratios are shown only for places with at least 5 fetal deaths reported. Ratios based on small numbers should be viewed with caution. See inside back cover for descriptions of regions.

Part Five. Induced Terminations of Pregnancy

Number of Terminations

Reported induced terminations of pregnancy in Colorado in 1989 totaled 12,445, reflecting little change from the 12,425 reported terminations in 1988. Table 54 and Figure 27 show numbers of induced terminations of pregnancy reported as occurring in Colorado between 1967 and 1989.

After increasing between 1967 and 1980, numbers of reported terminations remained relatively stable until 1984. Between 1984 and 1987 numbers of reported terminations decreased by 30 percent, from 17,550 to 12,232.

Completeness of reporting over time and from place to place in Colorado is not known. Induced terminations are assumed to be underreported in Colorado. An analysis of reporting performed by the Health Statistics Section using data for 1985 indicated that approximately 30 percent of terminations in the state were not reported.

Table 55 presents induced termination of pregnancy statistics for Colorado for the years 1983 through 1989. Residency, age, race/ethnicity, marital status, number of children, procedure type, calculated gestation, number of previous terminations and facility type are included. Data are shown as reported. Reporting for some data items is less complete than for others. Percentages are of events with the item reported.

Residency

The proportion of induced terminations in Colorado for residents of the state decreased slightly to 91.7 percent of events in 1989, down from 92.6 percent in 1988. Colorado residents accounted for 11,399 terminations in 1989. Residents of other states were reported as having 1,032 terminations, 8.3 percent of events with residency reported.

Table 56 shows reported induced terminations by state of residence and county of occurrence. Residents of Wyoming (303 events), New Mexico (231), Nebraska (167) and South Dakota (111) led among non-resident terminations in 1989. It is not known how accurately place of residence is reported.

Age of Women

Women aged 20-24 made up the largest share of women terminating pregnancies in 1989. Three in ten terminations (30.4 percent) in 1989 were to women in this age group. By comparison, women aged 20-24 made up 24.4 percent of resident live births in 1989.

Teens aged 15-19 followed with one-fourth of terminations. Women aged 25-29 had 21.5 percent of terminations, followed by women aged 30-34 with 13.1 percent.

These percentages do not express what proportion of pregnancies end in induced terminations. With uncertain completeness of reporting, ratios are difficult to estimate. However, Figure 28 shows ratios of reported terminations to live births for 1989. Actual ratios probably are higher, but a greater choice of induced termination among the oldest and youngest pregnant women is obvious.

Race/Ethnicity of Women

No reporting of race/ethnicity was made for nearly one-third of women having induced terminations pregnancies in 1989. Reluctance to report this item has remained frequent over time. Of those events with race/ethnicity reported in 1989, 77.6 percent were white women with non-Spanish surnames. White Spanish-surnamed women accounted for 11.3 percent of events, and blacks accounted for 7.3 percent of terminations with race reported. Proportions of terminations by race have changed very little in Colorado over time.

Marital Status

Between 20 and 23 percent of women reporting marital status since 1983 were married either at the time of their conception or termination. In 1989, 20.8 percent of these women were married and 79.2 percent were not married.

Reporting of this item has improved considerably over time with little effect on proportions of married and unmarried women obtaining induced terminations.

Number of Children Now Living

The percentage of women having induced terminations who report at least one living child has increased in recent years in Colorado. In 1989, 41.5 percent of terminations occurred to women with living children. In 1983, only 34.7 percent of women terminating pregnancies reported having children.

One-in-five induced terminations were performed for patients reporting one child. Women with two children accounted for 14.6 percent of terminations, and women with three children made up 4.9 percent.

Type of Procedure

The reporting form for induced terminations of pregnancy was changed in 1989 to include dilation and evacuation as one of the procedure types listed. This was accompanied by fewer terminations by suction curettage reported, the procedure apparently reported most often in the past for terminations by dilation and evacuation. Changes in proportions of procedure types reported in 1989 therefore may not reflect actual changes in procedures used.

Suction curettage was reported for 80.6 percent of terminations, followed by dilation and evacuation with 16.2 percent.

Calculated Weeks of Gestation

Gestational ages shown in Table 55 are calculated from the last normal menses reported. Calculated gestations of 12 weeks or less accounted for 87.8 percent of reported induced terminations in 1989.

Gestational ages for induced terminations of pregnancy are calculated differently than those for live births. To reduce the number of spurious estimates, calculated gestations for induced terminations are compared to clinical estimates in some cases and revised.

Previous Induced Terminations

Four out of ten women (40.1 percent) having induced terminations of pregnancy in 1989 reported having at least one previous induced termination. Women reporting two or more previous induced terminations accounted for 13.0 percent of total.

These figures represent an increase in the proportion of women reporting previous terminations. In 1983, 34.8 percent of women reported at least one previous induced termination. As with changes in the number of women reporting children now living, increases in women reporting previous terminations may in part reflect aging in the childbearing population.

Facility Type

Clinics were the reported facility type for 10,970 induced terminations in 1989, 88.1 percent of total. Fewer induced terminations have been reported from doctor offices and hospitals over time. Considerable decreases were seen in reported hospital terminations between 1984 and 1985 and in reported doctor offices between 1986 and 1987.

The Health Statistics Section does not compile induced termination of pregnancy counts for individual facilities in the state.

Induced Terminations of Pregnancy by County and Region

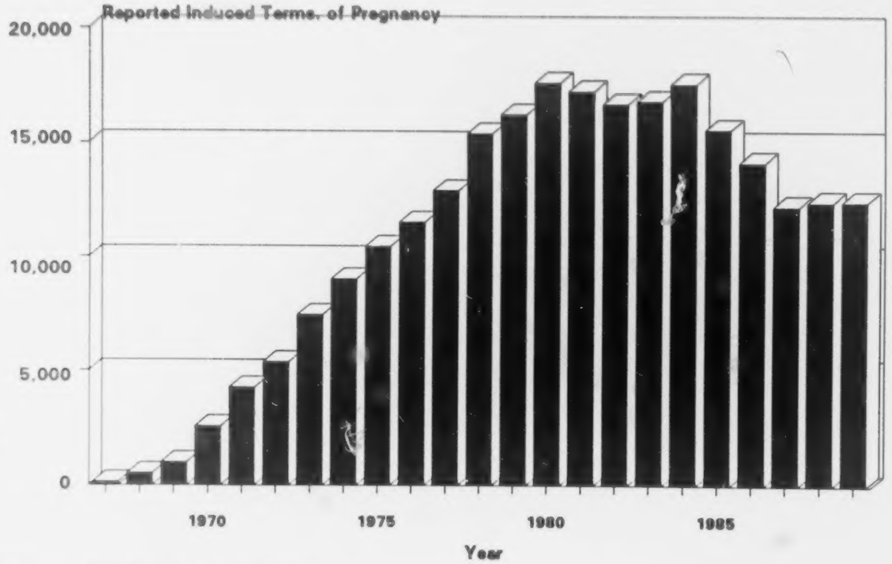
Table 56 already has shown reported induced terminations of pregnancy by county of occurrence. Table 57 presents counts of reported induced terminations by county of residence and age of women in 1989.

Residency is shown as reported. It is not known if residency is reported accurately in all cases. Sizes of total female populations by county should be considered when using these data.

Table 54. Reported Induced Terminations of Pregnancy: Colorado Occurrences, 1967-1989

YEAR	REPORTED INDUCED TERMINATIONS
1967	140
1968	521
1969	1,000
1970	2,581
1971	4,273
1972	5,383
1973	7,451
1974	9,027
1975	10,466
1976	11,539
1977	12,913
1978	15,397
1979	16,232
1980	17,601
1981	17,240
1982	16,685
1983	16,793
1984	17,550
1985	15,553
1986	14,144
1987	12,232
1988	12,425
1989	12,445

Figure 27. Reported Induced Termination of Pregnancy: Colorado Occurrences, 1967-1989



Reporting completeness may have varied over time.

Table 55. Summary Characteristics of Reported Induced Terminations of Pregnancy: Colorado Occurrences, 1983-89

	1983		1984		1985		1986		1987		1988		1989	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Total	16,793		17,550		15,553		14,144		12,232		12,425		12,445	
RESIDENCY:														
Colorado	15,799	94.2	16,636	94.8	14,623	94.1	13,304	94.1	11,361	92.9	11,505	92.6	11,399	91.7
Non-Resident	981	5.8	907	5.2	924	5.9	838	5.9	871	7.1	920	7.4	1,032	8.3
Not Stated	13		7		6		2		0		0		14	
AGE:														
<15	126	0.8	118	0.7	112	0.7	92	0.7	82	0.7	76	0.6	84	0.7
15-19	4,376	26.2	4,409	25.3	4,199	27.0	3,552	25.2	3,115	25.5	3,106	25.2	3,090	25.0
20-24	6,047	36.2	6,453	37.0	5,297	34.1	4,668	33.1	3,840	31.5	3,851	31.3	3,759	30.4
25-29	3,586	21.4	3,609	20.7	3,210	20.7	3,061	21.7	2,605	21.4	2,636	21.4	2,653	21.5
30-34	1,762	10.5	1,856	10.6	1,734	11.2	1,707	12.1	1,590	13.0	1,608	13.1	1,616	13.1
35-39	650	3.9	836	4.8	794	5.1	833	5.9	782	6.4	820	6.7	912	7.4
40-44	161	1.0	157	0.9	162	1.0	166	1.2	172	1.4	204	1.7	222	1.8
45+	11	0.1	18	0.1	16	0.1	5	0.0	7	0.1	9	0.1	15	0.1
Not Stated	74		94		29		60		39		115		94	
RACE/ETHNICITY:														
Total White	10,826	89.1	11,039	88.8	9,445	87.7	8,386	88.1	7,270	88.0	7,406	88.8	7,576	88.9
White Spanish Surname	1,315	10.8	1,591	12.8	1,233	11.5	1,017	10.7	890	10.8	911	10.9	967	11.3
Black	942	7.7	978	7.9	878	8.2	697	7.3	625	7.6	591	7.1	624	7.3
Other	388	3.2	417	3.4	445	4.1	435	4.6	368	4.5	344	4.1	326	3.8
Not Stated	4,637		5,116		4,785		4,626		3,969		4,084		3,919	
MARITAL STATUS:														
Married	3,339	20.8	3,836	22.8	3,398	22.0	3,106	22.5	2,524	21.0	2,514	20.5	2,559	20.8
Unmarried	12,706	79.2	12,986	77.2	12,038	78.0	10,675	77.5	9,503	79.0	9,775	79.5	9,754	79.2
Not Stated	748		728		117		363		205		136		132	
NUMBER OF CHILDREN NOW LIVING:														
0	10,900	65.3	10,701	61.2	9,883	63.8	8,755	62.2	7,288	59.8	7,287	58.9	7,255	58.5
1	2,985	17.9	3,400	19.5	2,827	18.2	2,675	19.0	2,395	19.7	2,444	19.7	2,481	20.0
2	1,962	11.7	2,337	13.4	1,934	12.5	1,811	12.9	1,715	14.1	1,783	14.4	1,810	14.6
3	581	3.5	698	4.0	598	3.9	580	4.1	570	4.7	628	5.1	612	4.9
4+	271	1.6	342	2.0	256	1.7	249	1.8	211	1.7	237	1.9	235	1.9
Not Stated	94		72		55		74		53		46		52	
TYPE OF PROCEDURE:														
Suction Curretage	15,613	93.0	16,299	93.0	14,951	96.2	13,528	95.7	11,702	95.7	11,887	95.8	10,031	80.6
Sharp Curettage	50	0.3	43	0.2	42	0.3	28	0.2	17	0.1	27	0.2	52	0.4
Saline Installation	18	0.1	6	0.0	3	0.0	1	0.0	4	0.0	9	0.1	2	0.0
Prostaglandin Installation	743	4.4	903	5.2	166	1.1	145	1.0	129	1.1	90	0.7	74	0.6
Hysterotomy/ Hysterectomy	10	0.1	5	0.0	8	0.1	2	0.0	5	0.0	2	0.0	6	0.0
Other (See footnote)	350	2.1	275	1.6	375	2.4	428	3.0	370	3.0	392	3.2	2,280	18.3
Not Stated	9	0.1	19	0.1	8	0.1	12	0.1	5	0.0	16	0.1	0	0.0

	1983		1984		1985		1986		1987		1988		1989	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
CALCULATED WEEKS OF GESTATION:														
8 or Less	6,350	38.0	6,674	38.2	5,868	37.9	5,339	37.9	4,603	37.8	4,528	36.5	4,314	34.8
9-10	5,687	34.0	5,540	31.7	5,159	33.4	4,694	33.3	3,931	32.3	4,194	33.8	4,405	35.5
11-12	2,549	15.2	2,818	16.1	2,496	16.1	2,243	15.9	1,942	16.0	2,144	17.3	2,170	17.5
13-15	1,147	6.9	1,260	7.2	1,158	7.5	1,092	7.8	1,023	8.4	926	7.5	903	7.3
16-20	857	5.1	1,031	5.9	663	4.3	577	4.1	542	4.5	490	4.0	476	3.8
21+	140	0.8	132	0.8	119	0.8	131	0.9	128	1.1	110	0.9	135	1.1
Not Stated	63		95		90		68		63		33		42	
PREVIOUS INDUCED TERMINATIONS OF PREGNANCY:														
0	10,856	65.2	10,950	63.0	9,684	62.8	8,498	60.7	7,073	58.4	7,015	56.9	7,394	59.9
1	4,175	25.1	4,570	26.3	4,019	26.1	3,814	27.3	3,450	28.5	3,581	29.0	3,348	27.1
2	1,208	7.3	1,364	7.8	1,215	7.9	1,140	8.1	1,088	9.0	1,189	9.6	1,065	8.6
3+	412	2.5	505	2.9	509	3.3	544	3.9	508	4.2	550	4.5	546	5.2
Not Stated	142		161		126		148		113		90		92	
FACILITY TYPE:														
Clinic	11,748	70.0	11,881	67.7	12,190	78.4	11,126	78.7	10,523	86.0	10,678	85.9	10,970	88.1
Hospital	2,271	13.5	2,837	16.2	1,171	7.5	1,040	7.4	853	7.0	803	6.5	900	7.2
Doctor's Office	2,774	16.5	2,832	16.1	2,190	14.1	1,978	14.0	856	7.0	943	7.6	575	4.6

Data are presented as reported. Overall underreporting and lack of reporting of specific data items must be considered in any use of these data. Percentages are of events with positive entries for each item. "Other" category of procedures includes 2,013 cases for dilation and evacuation in 1989, the first year this procedure was specified on the reporting form. It appears that in the course of the year greater numbers of terminations formerly assigned to suction curettage were reported as dilation and evacuation. Calculated gestation is based on last normal menses reported and should be considered with caution.

Table 56. Reported Induced Terminations of Pregnancy by County of Occurrence and State of Residence: Colorado, 1989

COUNTY OF OCCURRENCE:

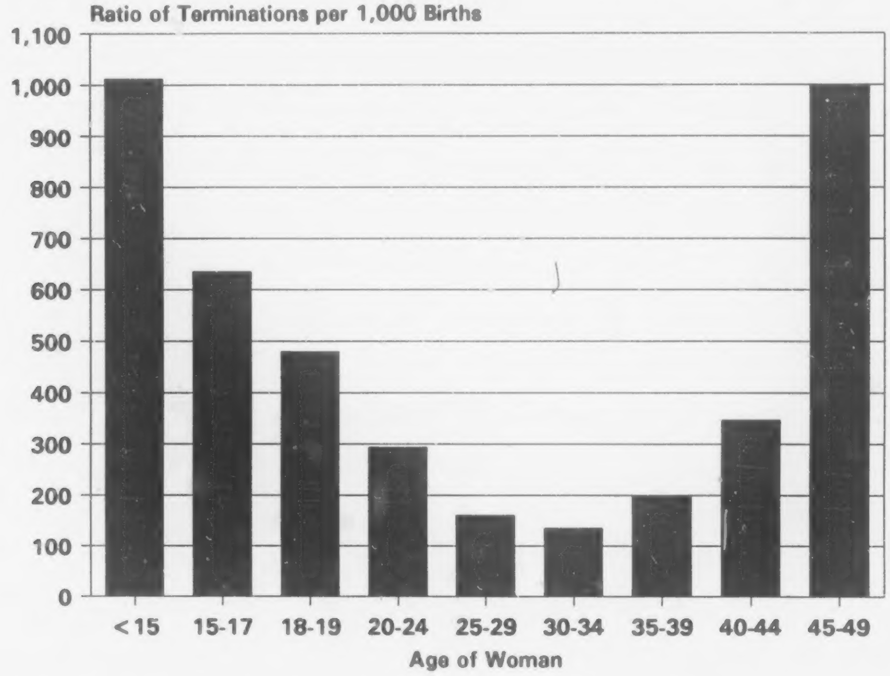
COUNTY	NUMBER	COUNTY	NUMBER	COUNTY	NUMBER
Total	12,445	El Paso	1,592	Montrose	4
Adams	131	Garfield	2	Morgan	61
Arapahoe	2,220	Jefferson	8	Pitkin	2
Boulder	2,973	La Plata	510	Pueblo	39
Chaffee	3	Larimer	10	Routt	100
Denver	3,865	Mesa	801	Weld	122

STATE OF RESIDENCE:

STATE	NUMBER	STATE	NUMBER	STATE	NUMBER
Total	12,445	Missouri	5	Pennsylvania	2
Arizona	33	Montana	9	South Dakota	111
California	8	Nebraska	167	Texas	4
Colorado	11,399	New Jersey	4	Utah	93
Florida	4	New Mexico	231	Virginia	2
Hawaii	2	New York	4	Wyoming	303
Illinois	2	North Dakota	2	Outside U.S.	6
Kansas	25	Oklahoma	5	Not Stated	14
Michigan	2				

No other county reported more than 1 induced termination of pregnancy. No other state had more than 1 resident reporting an induced termination of pregnancy in Colorado. Counts are presented as reported.

Figure 28. Ratio of Reported Induced Terminations of Pregnancy to Live Births by Age of Woman Colorado Occurrences, 1989



Outcomes with age of women not stated have been applied proportionately. Ratios among youngest and oldest women are based on relatively few cases.

Table 57. Reported Induced Terminations of Pregnancy by Age of Patient by County and Region: Colorado Residents, 1989

PLACE	TOTAL	AGE OF PATIENT <15	15-17	18-19	15-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
Colorado	11,399	77	1,088	1,685	2,773	3,438	2,459	1,491	851	210	15	85
Adams	963	7	136	144	280	278	217	98	53	17	1	12
Alamosa	21	1	1	4	5	8	6	0	0	0	0	1
Arapahoe	1,207	6	130	197	327	333	269	145	105	20	1	1
Archuleta	11	0	1	1	2	5	1	1	1	1	0	0
Baca	2	0	0	0	0	1	0	1	0	0	0	0
Bent	3	0	1	1	2	0	1	0	0	0	0	0
Boulder	1,324	4	86	197	283	440	263	177	106	23	1	27
Chaffee	18	0	3	4	7	0	6	2	3	0	0	0
Cheyenne	5	0	2	2	4	0	0	1	0	0	0	0
Clear Creek	20	0	1	4	5	2	5	6	2	0	0	0
Conejos	7	0	0	0	0	2	3	1	1	0	0	0
Costilla	2	0	1	0	1	1	0	0	0	0	0	0
Crowley	5	0	0	2	2	1	1	1	0	0	0	0
Custer	4	0	0	0	0	0	1	2	0	0	0	1
Delta	39	0	4	7	11	8	7	2	9	2	0	0
Denver	2,304	18	170	327	497	683	552	308	180	43	5	18
Dolores	4	0	2	0	2	0	2	0	0	0	0	0
Douglas	121	0	13	20	33	34	18	20	12	4	0	0
Eagle	47	0	0	2	2	20	8	12	5	0	0	0
Elbert	14	0	0	3	3	1	3	4	3	0	0	0
El Paso	1,204	11	120	162	282	382	264	163	69	24	2	7
Fremont	30	0	3	5	8	5	9	5	2	1	0	0
Garfield	116	0	10	11	21	32	27	24	7	4	1	0
Gilpin	7	0	0	0	0	2	2	1	2	0	0	0
Grand	36	1	2	5	7	4	13	8	3	0	0	0
Gunnison	84	0	1	14	15	33	22	8	6	0	0	0
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	5	0	1	1	2	0	2	0	1	0	0	0
Jackson	1	0	0	0	0	0	1	0	0	0	0	0
Jefferson	1,491	10	195	213	408	420	314	195	115	24	0	5
Kiowa	3	0	1	2	3	0	0	0	0	0	0	0
Kit Carson	11	0	3	1	4	2	3	2	0	0	0	0
Lake	9	0	0	2	2	3	3	1	0	0	0	0
La Plata	191	0	12	37	49	57	28	31	17	9	0	0
Larimer	383	3	20	68	88	153	66	45	16	4	0	8
Las Animas	10	0	0	2	2	3	2	2	1	0	0	0
Lincoln	13	0	2	2	4	2	2	4	1	0	0	0
Logan	39	0	6	7	13	14	7	3	1	1	0	0
Mesa	312	6	44	66	110	84	50	37	18	6	1	0
Mineral	0	0	0	0	0	0	0	0	0	0	0	0
Moffat	16	0	1	5	6	3	2	1	4	0	0	0
Montezuma	46	1	4	9	13	10	7	6	6	3	0	0
Montrose	59	0	5	3	8	23	18	3	5	2	0	0
Morgan	70	2	13	9	22	24	9	7	1	2	2	1
Otero	19	1	3	0	3	9	3	2	0	1	0	0
Ouray	7	0	1	0	1	1	1	4	0	0	0	0
Park	8	0	1	1	2	1	1	3	1	0	0	0
Phillips	7	0	2	2	4	3	0	0	0	0	0	0
Pitkin	35	0	0	3	3	11	7	10	2	2	0	0
Prowers	7	0	0	1	1	3	1	2	0	0	0	0
Pueblo	224	3	22	30	52	67	49	28	22	2	1	0
Rio Blanco	15	0	2	3	5	2	3	3	2	0	0	0
Rio Grande	16	0	2	4	6	3	4	2	1	0	0	0
Routt	122	0	7	9	16	31	22	24	23	6	0	0
Saguache	2	0	0	0	0	0	1	0	1	0	0	0
San Juan	5	0	1	2	3	0	0	0	1	1	0	0
San Miguel	33	0	1	1	2	11	7	9	3	1	0	0

PLACE	TOTAL	AGE OF PATIENT <15	15-17	18-19	15-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
Sedgwick	4	0	0	0	0	0	1	3	0	0	0	0
Summit	52	0	0	3	3	17	21	7	2	1	0	1
Teller	25	0	5	5	10	5	5	4	1	0	0	0
Washington	6	0	2	0	2	1	3	0	0	0	0	0
Weld	338	2	35	51	86	128	70	32	17	2	0	1
Yuma	14	0	0	3	3	4	1	4	1	0	0	1
County Not Stated	203	1	10	28	38	68	45	27	19	4	0	1
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	140	2	23	21	44	46	21	17	3	3	2	2
2	721	5	55	119	174	281	136	77	33	6	0	9
3	7,437	45	731	1,102	1,833	2,192	1,640	950	575	131	8	63
4	1,237	11	126	168	294	388	270	170	71	24	2	7
5	43	0	7	8	15	5	8	11	4	0	0	0
6	39	1	5	6	11	14	6	6	0	1	0	0
7	224	3	22	30	52	67	49	28	22	2	1	0
8	48	1	4	8	12	14	14	3	3	0	0	1
9	257	1	20	49	69	72	38	38	25	14	0	0
10	222	0	12	25	37	76	55	26	23	5	0	0
11	459	6	57	85	142	121	82	65	31	10	2	0
12	293	1	9	22	31	83	72	61	35	9	0	1
13	61	0	6	11	17	8	19	10	5	1	0	1
14	15	0	1	3	4	3	4	2	2	0	0	0
METRO/NON-METRO:												
Denver PMSA	6,086	41	644	901	1,545	1,748	1,370	766	465	108	7	36
Denver CMSA	7,410	45	730	1,098	1,828	2,188	1,633	943	571	131	8	63
Total Metro	9,559	64	927	1,409	2,336	2,918	2,082	1,211	695	163	11	79
Non-Metro	1,637	12	151	248	399	452	332	253	137	43	4	5
FIVE-REGION SUBSTATE GROUPS:												
Front Range	9,559	64	927	1,409	2,336	2,918	2,082	1,211	695	163	11	79
Western Slope	1,231	8	98	181	279	352	247	190	114	38	2	1
Eastern Plains	222	3	35	35	70	65	35	34	7	4	2	2
San Luis Valley	48	1	4	8	12	14	14	3	3	0	0	1
Eastern Mtns	136	0	14	24	38	21	36	26	13	1	0	1
POPULATION-BASED REGIONS:												
1 Denver	2,304	18	170	327	497	683	552	308	180	43	5	18
2 Jefferson	1,491	10	195	213	408	420	314	195	115	24	0	5
3 Boulder	1,324	4	86	197	283	440	263	177	106	23	1	27
4 Adams	963	7	136	144	280	278	217	98	53	17	1	12
5 Arapahoe	1,207	6	130	197	327	333	269	145	105	20	1	1
6 El Paso	1,204	11	120	162	282	382	264	163	69	24	2	7
7 Larimer	383	3	20	68	88	153	66	45	16	4	0	8
8 Pueblo	224	3	22	30	52	67	49	28	22	2	1	0
9 Weld	338	2	35	51	86	128	70	32	17	2	0	1
10 Northwest Reg	459	6	57	85	142	121	82	65	31	10	2	0
11 Western Reg	515	1	21	47	68	159	127	87	58	14	0	1
12 Eastern Reg	222	3	35	35	70	65	35	34	7	4	2	2
13 Central Reg	242	0	26	41	67	52	50	44	23	5	0	1
14 Southern Reg	320	2	25	60	85	89	56	43	30	14	0	1

Counts are for reported induced terminations of pregnancy occurring to Colorado residents in Colorado. Underreporting of induced terminations must be taken into account in any use of these data. See inside back cover for descriptions of regions.

Part 6. Deaths

Number of Deaths

Colorado resident deaths totaled 21,056 in 1989, 1.2 percent fewer than the 21,312 deaths in 1988 and the fewest since the 19,531 deaths in 1983. Of total resident deaths, 20,539 (97.5 percent) occurred in Colorado and 517 (2.5 percent) occurred out of the state.

Total deaths actually occurring in Colorado numbered 21,470, of which 931 were deaths to residents of other states.

U.S. deaths for 1989 were estimated at 2,155,000 in 1989, slightly fewer than the 2,167,999 reported in 1988. Table 58 compares numbers of Colorado and U.S. deaths by year between 1910 and 1989. Annual percent changes and crude death rates are included.

Crude Death Rates

Colorado's crude death rate stood at 6.3 deaths per 1,000 population in 1989, down slightly from 6.5 in 1988. The state's crude death rate has ranged between 6.2 and 6.5 in the years since 1979.

As in each year since 1945, Colorado's crude death rate was lower than the U.S. rate in 1989. The preliminary U.S. crude death rate was 8.7 deaths per 1,000 population in 1989. The U.S. rate has ranged between 8.5 and 8.8 since 1975.

Differences in crude death rates often reflect different age distributions in populations. Places with older populations tend to have higher crude death rates because of greater mortality among older people. Lower crude death rates therefore do not necessarily reflect better health and well-being in a population.

In Colorado's case, however, lower death rates are not just the result of a younger population. Age-adjusted death rates discussed later show that the state's death rate remains lower than the U.S. rate even when differences in age distribution are accounted for.

Figure 29 compares crude death rates for Colorado and the nation for years 1930-1989.

Deaths by Age and Sex

The median age at death for Colorado residents in 1989 was 74.2 years, up from 73.7 years in 1988. The median age at death also was 74.2 years in 1987. Median age of female decedents was 78.4 years in 1989, up from 77.8 years in 1988 and 78.1 years in 1987. Male decedents had a median age of 70.6 years in 1989, compared to 70.8 years in 1988 and 70.5 years in 1987.

Numbers of deaths to Colorado residents by age and sex for 1970-1989 appear in Table 59. As the table shows, greater numbers of males die in each age group younger than age 75. After that age, greater numbers of females die, simply because of their predominance in the elderly population.

Colorado resident male deaths totaled 11,043 in 1989, 52.4 percent of total. Female deaths totaled 10,013, 47.6 percent of total. Seventy percent of all deaths in 1989 occurred at age 65 and older.

Figure 30 shows Colorado resident crude death rates by sex for years since 1970. Table 60 details death rates by age and sex for this period of time.

The male crude death rate was 6.7 deaths per 1,000 population in 1989, higher than the female rate of 6.0. Male death rates consistently are higher than female rates for all age groups. The discrepancy between crude death rates by sex has narrowed over time.

Death rates by age predictably are highest among the oldest populations. Relatively high death rates are experienced by infants at the earliest stages of life. The lowest death rates are experienced among populations aged 1-14 years. Death rates then increase with each succeeding age group.

Age-specific death rates for all age-and-sex groups in Colorado have decreased since the early 1970s. Colorado age-specific death rates have averaged lower than U.S. rates except among adolescents and ages 85 and older, for whom national and Colorado death rates have been similar.

Figure 31 shows the number of deaths that occurred to Colorado residents in 1989 by single-year age and sex.

Table 58. Deaths and Crude Death Rates: Colorado Residents and United States, Selected Years, 1910-1989

YEAR	COLORADO POPULATION	COLORADO			UNITED STATES		
		NUMBER OF DEATHS	% CHANGE FROM PREVIOUS YEAR	CRUDE RATE	NUMBER OF DEATHS	% CHANGE FROM PREVIOUS YEAR	CRUDE RATE
1910	799,024	11,053	-	13.8	696,856	-	14.7
1920	939,629	13,569	-	14.4	1,118,070	-	13.0
1930	1,037,891	13,207	-	12.7	1,327,240	-	11.3
1931	1,046,000	12,470	-5.6	11.9	1,307,273	-1.5	11.1
1932	1,051,000	12,599	1.0	12.0	1,293,269	-1.1	10.9
1933	1,052,000	11,961	-5.1	11.4	1,342,106	3.8	10.7
1934	1,053,000	12,497	4.5	11.9	1,396,903	4.1	11.1
1935	1,055,000	13,134	5.1	12.4	1,392,752	-0.3	10.9
1936	1,067,000	13,674	4.1	12.8	1,479,228	6.2	11.6
1937	1,084,000	13,729	0.4	12.7	1,450,427	-1.9	11.3
1938	1,097,000	12,452	-9.3	11.4	1,381,391	-4.8	10.6
1939	1,112,520	12,345	-0.9	11.1	1,387,897	0.5	10.6
1940	1,123,296	12,181	-1.3	10.8	1,417,269	2.1	10.8
1941	1,124,000	11,848	-2.7	10.5	1,397,642	-1.4	10.5
1942	1,113,000	11,838	-0.1	10.6	1,385,187	-0.9	10.3
1943	1,153,000	12,255	3.5	10.6	1,459,544	5.4	10.9
1944	1,137,000	11,837	-3.4	10.4	1,411,338	-3.3	10.6
1945	1,116,000	12,074	2.0	10.8	1,401,719	-0.7	10.6
1946	1,203,000	11,876	-1.6	9.9	1,395,617	-0.4	10.0
1947	1,237,000	12,355	4.0	10.0	1,445,370	3.6	10.1
1948	1,263,000	12,066	-2.3	9.6	1,444,337	-0.1	9.9
1949	1,295,000	12,001	-0.5	9.3	1,443,607	-0.1	9.7
1950	1,325,089	12,222	1.8	9.2	1,452,454	0.6	9.6
1951	1,326,000	12,581	2.9	9.5	1,482,099	2.0	9.7
1952	1,365,000	12,837	2.0	9.4	1,496,838	1.0	9.6
1953	1,431,000	12,913	0.6	9.0	1,517,541	1.4	9.6
1954	1,493,000	12,914	0.0	8.6	1,481,091	-2.4	9.2
1955	1,546,000	13,224	2.4	8.6	1,528,717	3.2	9.3
1956	1,625,000	13,782	4.2	8.5	1,564,476	2.3	9.4
1957	1,664,000	14,410	4.6	8.7	1,633,128	4.4	9.6
1958	1,667,000	14,391	-0.1	8.6	1,647,886	0.9	9.5
1959	1,710,000	14,795	2.8	8.7	1,656,814	0.5	9.4
1960	1,753,947	15,351	3.8	8.8	1,711,982	3.3	9.5
1961	1,840,000	15,128	-1.5	8.2	1,701,522	-0.6	9.3
1962	1,900,000	15,992	5.7	8.4	1,756,720	3.2	9.5
1963	1,940,000	16,106	0.7	8.3	1,813,549	3.2	9.6
1964	1,970,000	16,400	1.8	8.3	1,798,051	-0.9	9.4
1965	1,990,000	16,206	-1.2	8.1	1,828,136	1.7	9.4
1966	2,010,000	16,325	0.7	8.1	1,863,149	1.9	9.5
1967	2,050,000	16,321	-0.0	8.0	1,851,323	-0.6	9.4
1968	2,120,000	17,705	8.5	8.4	1,930,082	4.3	9.7
1969	2,170,000	17,081	-3.5	7.9	1,921,990	-0.4	9.5
1970	2,228,340	17,439	2.1	7.8	1,921,031	-0.0	9.5
1971	2,303,608	17,892	2.6	7.8	1,927,542	0.3	9.3
1972	2,404,715	17,856	-0.2	7.4	1,963,944	1.9	9.4
1973	2,495,942	18,633	4.4	7.5	1,973,003	0.5	9.3
1974	2,541,424	17,851	-4.2	7.0	1,934,388	-2.0	9.1
1975	2,586,243	17,401	-2.5	6.7	1,892,879	-2.1	8.8
1976	2,632,370	17,966	3.2	6.8	1,909,440	0.9	8.8
1977	2,696,179	17,875	-0.5	6.6	1,899,597	-0.5	8.6
1978	2,766,843	18,325	2.5	6.6	1,927,788	1.5	8.7
1979	2,849,298	18,408	0.5	6.5	1,913,841	-0.7	8.5

YEAR	COLORADO POPULATION	COLORADO NUMBER OF DEATHS	COLORADO % CHANGE FROM PREVIOUS YEAR	COLORADO CRUDE RATE	UNITED STATES NUMBER OF DEATHS	UNITED STATES % CHANGE FROM PREVIOUS YEAR	UNITED STATES CRUDE RATE
1980	2,908,294	18,927	2.8	6.5	1,989,841	4.0	8.8
1981	2,983,925	19,360	2.3	6.5	1,977,981	-0.6	8.6
1982	3,071,633	19,638	1.4	6.4	1,974,797	-0.2	8.5
1983	3,148,292	19,531	-0.5	6.2	2,019,201	2.2	8.6
1984	3,189,318	20,356	4.2	6.4	2,039,369	1.0	8.6
1985	3,232,421	20,234	-0.6	6.3	2,086,440	2.3	8.7
1986	3,265,315	20,768	2.6	6.4	2,105,361	0.9	8.7
1987	3,293,123	21,089	1.5	6.4	2,123,323	0.9	8.7
1988	3,300,102	21,312	1.1	6.5	2,167,999	2.1	8.8
1989	3,316,834	21,056	-1.2	6.3	2,155,000	-0.6	8.7

Death rates are deaths per 1,000 population. Colorado population figures April 1 census counts for censual years before 1970 and midyear estimates for other years. Population figures for 1980-89 are 1989-based estimates from the Demographic Section, Colorado Department of Local Affairs. U.S. data are from the National Center for Health Statistics. U.S. counts for years before 1933 include death registration states only and are, therefore, incomplete. Colorado data for years before 1937 are for Colorado occurrences. U.S. data are provisional for 1989.

Deaths by Race/Ethnicity

Table 61 shows Colorado resident deaths by age, sex and race/ethnicity in 1989. Changes made to death certificate forms in 1989 (the same changes already discussed for birth certificates) have produced a more effective means of reporting for Hispanic data. These data therefore represent an improvement in mortality statistics by race/ethnicity. Because of these changes, care should be used when comparing data for 1989 to those for previous years.

Whites who were not of Spanish origin (hereafter called white) accounted for 18,281 of the 21,056 Colorado resident deaths in 1989, 86.8 percent of total. Non-Hispanic whites account for about 81 percent of the state's population.

The greater proportion of white deaths indicate that whites are a somewhat older population than the minority population in the state. Also, despite the improvements made in ethnic items, reporting of race and ethnicity, especially for Hispanics and native Americans, may be incomplete.

Whites of Spanish origin (hereafter called Hispanic) accounted for 1,834 Colorado resident deaths in 1989, 8.7 percent of total. Hispanics make up between 12 and 13 percent of the state's population.

Deaths to blacks totaled 741, 3.5 percent of all deaths in 1989. About 4 percent of Coloradans are black.

Asians accounted for 126 deaths. This figure is 0.9 percent of total deaths, compared to Asians representing nearly 2 percent of Colorado's population.

Deaths to native Americans numbered 72, only 0.3 percent of total and less than the estimated 0.8 percent of population that is native American.

Leading Causes of Death

The 10 leading causes of death in Colorado in 1989 were heart disease, malignant neoplasms (cancer), cerebrovascular diseases (includes strokes), chronic obstructive pulmonary diseases (COPD, includes emphysema and other obstructive lung disorders), unintentional injuries, pneumonia and influenza, suicide, diabetes mellitus, chronic liver disease and cirrhosis, and atherosclerosis.

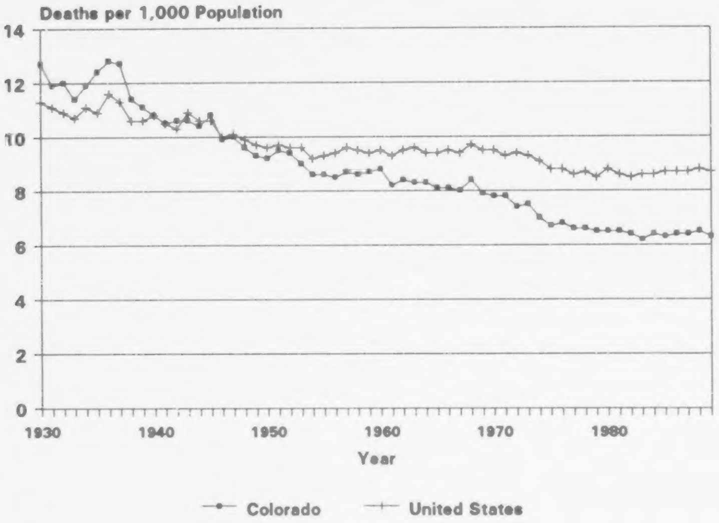
These causes are ranked by number of deaths by underlying cause. The only change in ranking from the previous two years occurred with chronic liver disease and atherosclerosis exchanging positions in 9th and 10th places.

Heart disease claimed 28.9 percent of all Colorado deaths in 1989. Cancer claimed 22.3 percent of deaths. The top five leading causes were responsible for nearly 7 in 10 deaths in the state.

Some differences exist in the ranking of leading causes in Colorado and the United States as a whole. Table 62 shows number of deaths and crude death rates by cause for the state and nation in 1988 and 1989. Crude rates express the number of deaths per 100,000 total population. Percentages of total deaths by cause also are included in the table.

In terms of crude death rates, Colorado rates of COPD and suicide consistently exceed those for the nation,

Figure 29. Crude Death Rates: Colorado Residents and United States, 1930-1989



while Colorado rates for heart disease, cancer, cerebrovascular diseases and most of the other leading causes have averaged lower in the state. Perhaps the most striking difference is that the U.S. homicide rate was nearly twice as high as that for Colorado.

Figure 32 compares crude death rates by cause for Colorado and the nation in 1989. Figure 33 shows the percent distribution of leading causes of death in the state.

Colorado's relatively younger population explains part of these differences in crude death rates. Older populations tend to have higher crude death rates simply by having a greater concentration of people more likely to suffer from the chronic diseases that are the leading killers. As information on age-adjusted death rates presented later shows, lower or higher crude death rates by cause in Colorado are not explained completely by age distribution.

While crude death rates for such leading causes as heart disease and unintentional injuries decreased over the 1980s, rates for COPD and diabetes increased. COPD deaths were 1 death short of tying with cerebrovascular diseases as the state's third leading cause in 1989.

Among other leading causes of death, increases in deaths from human immunodeficiency virus infection (HIV infection, or AIDS) continued to be seen in 1989. In 1989, 1 of every 100 deaths was from HIV infection, both in Colorado and the United States.

Deaths from selected causes by month of occurrence appear in Table 63. Historical data for selected years between 1940 and 1989 by cause of death appear in Table 64.

Unless otherwise noted, all cause-specific death data in this report are for underlying causes of death, which are the diseases or circumstances of injuries that initiated the train of events leading directly to death. Each death is assigned a single underlying cause of death for standard mortality tabulation. More than one cause of death often is reported on the death certificate, however. These other mentioned causes are discussed in Tables 99 and 100 later in this section.

Age-Adjusted Death Rates

Colorado's death rates for most leading causes are lower than U.S. rates even when the state's somewhat younger population is taken into account. In 1989, Colorado's total age-adjusted death rate was 440.4 deaths per 100,000 population, the lowest ever experienced in the state.

The preliminary U.S. age-adjusted death rate was 524.1, also the lowest ever but still nearly 20 percent higher than Colorado's rate. If Colorado's younger population alone were responsible for differences in death rates, state and national age-adjusted death rates would be identical.

Figure 30. Crude Death Rates by Sex: Colorado Residents, 1970-1989

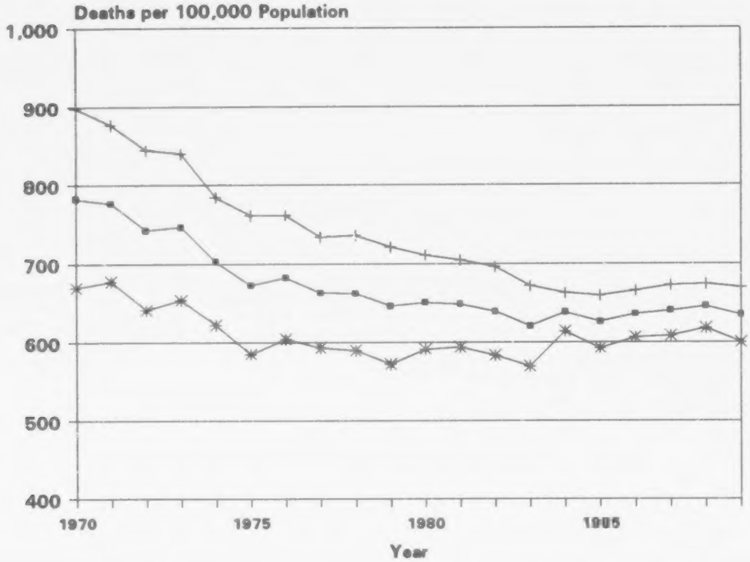


Table 65 presents age-adjusted Colorado resident death rates by cause and sex for the years 1980-89. Table 66 presents comparable U.S. data. As these tables show, Colorado's age-adjusted death rates for COPD and suicide exceed those for the nation, while rates for most other leading causes are lower or comparable to U.S. rates.

Age-adjusted death rates by cause for Colorado and the nation in 1989 appear in Figure 34. Changes in Colorado and U.S. age-adjusted death rates by cause between 1980 and 1989 are shown in Figure 35.

Age-adjusted death rates adjust for differences in age distribution in populations and provide a better basis for comparison of rates from different places than do crude rates. Several methods are commonly used in age adjustment.

Rates in this report are from the direct method using the U.S. population in 1940 as a base. It is important to make sure the same methods were used for age-adjusted rates being compared. The technical notes for this report explain rate calculation in detail.

Causes of Death by Age

Mortality patterns differ by age. Infants tend to die from conditions specific to the beginning of life, the effects of serious congenital anomalies, and from sudden infant death syndrome (SIDS). External causes of death, such as unintentional injuries and suicide, claim greater proportions of lives as children grow into early adulthood. Finally, the chronic diseases that often accompany aging are responsible for the most deaths among older populations.

Figure 36 shows percent distributions of causes of death by age for Colorado residents in 1989. It should be noted that the low prevalence of chronic disease among the young contributes to high percentages of deaths from injuries. Age-specific death rates that follow provide a better way to compare cause-specific mortality by age.

Deaths from 72 Selected Causes

Tables 67 through 74 show mortality from 72 selected causes of death for Colorado and the United States. These tables use standard groupings of International Classification of Disease codes and provide detailed information about deaths and death rates by age and sex.

Table 67 shows Colorado resident deaths, crude death rates and percent of deaths by cause in 1988 and 1989. Comparable U.S. data are presented in Table 68.

Total deaths by age group by cause appear in Table 69, with age-specific death rates following in Table 70. Male deaths and rates by age appear in Tables 71 and 72, and female death data appear in Tables 73 and 74.

Table 59. Deaths by Age and Sex: Colorado Residents, 1970-1989

YEAR	TOTAL	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	UNKNOWN
TOTAL:														
1970	17,440	960	92	94	249	272	438	719	1,412	2,519	3,448	4,558	2,678	1
1971	17,891	875	92	111	262	293	445	701	1,534	2,467	3,617	4,613	2,881	0
1972	17,855	794	80	98	296	322	476	662	1,511	2,551	3,607	4,535	2,923	0
1973	18,636	760	85	94	260	378	557	711	1,500	2,571	3,737	4,877	3,105	1
1974	17,861	723	74	89	271	360	518	676	1,475	2,536	3,614	4,475	3,050	0
1975	17,401	660	71	83	242	352	581	615	1,440	2,472	3,661	4,237	2,987	0
1976	17,966	648	70	89	256	350	594	650	1,389	2,486	3,686	4,517	3,228	3
1977	17,875	621	67	79	269	334	620	647	1,334	2,511	3,699	4,434	3,258	2
1978	18,325	600	68	90	282	393	619	674	1,313	2,525	3,794	4,489	3,475	3
1979	18,408	616	51	77	255	399	658	684	1,249	2,519	3,744	4,580	3,575	1
1980	18,927	595	55	60	247	362	680	662	1,285	2,598	3,957	4,622	3,804	0
1981	19,360	616	50	79	237	409	762	688	1,291	2,627	3,987	4,702	3,912	0
1982	19,638	617	42	64	221	364	757	703	1,251	2,622	4,118	4,822	4,057	0
1983	19,531	657	46	61	215	324	720	720	1,208	2,633	4,189	4,805	3,952	1
1984	20,356	661	45	65	233	328	672	779	1,161	2,614	4,224	5,085	4,489	0
1985	20,234	622	58	51	191	341	697	762	1,132	2,636	4,165	5,199	4,379	1
1986	20,768	576	54	57	242	331	743	844	1,136	2,677	4,362	5,287	4,459	0
1987	21,089	625	63	51	173	271	729	842	1,141	2,638	4,435	5,455	4,666	0
1988	21,312	575	47	57	197	251	746	836	1,142	2,529	4,446	5,658	4,828	0
1989	21,056	536	57	55	181	219	696	918	1,142	2,394	4,476	5,629	4,753	0
MALE:														
1970	9,885	557	59	61	167	195	296	463	898	1,633	2,137	2,346	1,072	1
1971	10,005	512	57	76	173	202	322	446	994	1,617	2,131	2,303	1,172	0
1972	10,082	485	53	61	208	241	330	428	962	1,676	2,189	2,270	1,179	0
1973	10,422	435	55	63	198	292	398	437	948	1,654	2,292	2,447	1,203	0
1974	9,907	414	44	58	201	280	370	444	914	1,632	2,200	2,165	1,185	0
1975	9,788	374	40	47	167	263	415	414	925	1,575	2,248	2,140	1,180	0
1976	9,970	380	41	61	185	271	408	401	897	1,539	2,277	2,272	1,237	1
1977	9,833	348	37	43	187	238	431	427	821	1,609	2,265	2,236	1,190	1
1978	10,122	327	34	61	192	303	433	403	852	1,626	2,338	2,275	1,277	1
1979	10,203	330	30	51	179	308	491	468	782	1,620	2,302	2,289	1,352	1
1980	10,266	345	40	39	166	271	476	414	800	1,654	2,377	2,299	1,385	0
1981	10,444	343	28	42	152	309	563	429	767	1,635	2,419	2,385	1,372	0
1982	10,629	365	24	48	160	252	573	474	784	1,622	2,457	2,400	1,470	0
1983	10,519	395	27	38	157	241	521	456	736	1,616	2,493	2,413	1,426	0
1984	10,516	369	27	34	170	240	479	499	728	1,560	2,452	2,495	1,463	0
1985	10,609	355	27	34	138	253	515	493	694	1,660	2,439	2,538	1,462	1
1986	10,815	337	32	44	176	258	552	538	683	1,619	2,523	2,582	1,471	0
1987	11,016	369	36	39	117	218	508	542	709	1,652	2,524	2,730	1,572	0
1988	11,057	341	28	35	135	171	549	563	705	1,510	2,631	2,845	1,544	0
1989	11,043	322	41	31	127	151	488	607	739	1,470	2,679	2,786	1,602	0
FEMALE:														
1970	7,555	403	33	33	82	77	142	256	514	886	1,311	2,212	1,606	0
1971	7,882	359	35	35	89	91	123	255	540	850	1,486	2,310	1,709	0
1972	7,770	306	27	37	88	81	146	234	549	875	1,418	2,265	1,744	0
1973	8,213	325	30	31	62	86	159	274	552	917	1,445	2,430	1,902	0
1974	7,954	309	30	31	70	80	148	232	561	904	1,414	2,310	1,865	0
1975	7,611	285	31	36	75	89	166	201	515	897	1,413	2,097	1,806	0
1976	7,996	268	29	28	71	79	186	249	492	947	1,409	2,245	1,991	2
1977	8,042	273	30	36	82	96	189	220	513	902	1,434	2,198	2,068	1
1978	8,202	272	34	29	90	90	186	271	461	899	1,456	2,214	2,198	2
1979	8,205	286	21	26	76	91	167	216	467	899	1,442	2,291	2,223	0
1980	8,660	249	15	21	81	91	204	248	485	944	1,580	2,323	2,419	0
1981	8,916	273	22	37	85	100	199	259	524	992	1,568	2,317	2,540	0
1982	9,009	252	18	16	61	112	184	229	467	1,000	1,661	2,422	2,587	0
1983	9,012	262	19	23	58	83	199	264	472	1,017	1,696	2,392	2,526	1
1984	9,840	292	18	31	63	88	193	280	433	1,054	1,772	2,590	3,026	0
1985	9,625	267	31	17	53	88	182	269	438	976	1,726	2,661	2,917	0
1986	9,953	239	22	13	66	73	191	306	453	1,058	1,839	2,705	2,988	0
1987	10,073	256	27	12	56	53	221	300	432	986	1,911	2,725	3,094	0
1988	10,255	234	19	22	62	80	197	273	437	1,019	1,815	2,813	3,284	0
1989	10,013	214	16	24	54	68	208	311	403	924	1,797	2,843	3,151	0

Table 60. Death Rates by Age and Sex: Colorado Residents, 1970-1989

YEAR	TOTAL	<5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:													
1970	782.6	510.9	41.0	40.0	113.1	130.6	147.4	280.0	598.2	1,449.7	3,065.4	7,507.3	17,356.9
1971	776.7	451.9	41.8	46.2	114.3	128.6	139.7	269.1	635.2	1,379.4	3,138.0	7,458.1	17,810.3
1972	742.5	397.7	36.6	39.8	122.6	135.2	133.1	246.2	604.2	1,374.0	3,055.8	7,202.1	17,283.6
1973	746.7	372.9	39.2	37.4	103.0	150.4	142.3	256.3	582.1	1,341.9	3,092.1	7,607.9	17,583.1
1974	702.8	356.8	35.0	35.5	105.4	138.6	124.3	240.3	568.9	1,306.5	2,908.9	6,816.2	16,325.9
1975	672.8	328.1	33.8	33.5	92.8	131.1	132.0	215.4	552.6	1,254.1	2,868.9	6,310.8	15,203.3
1976	682.5	331.0	33.0	37.0	97.0	126.9	127.4	222.4	530.5	1,229.3	2,774.7	6,637.6	16,043.7
1977	663.0	313.7	31.3	33.5	101.1	117.6	125.4	213.2	506.1	1,204.4	2,686.5	6,364.9	15,248.5
1978	662.3	295.2	31.7	39.0	105.2	134.3	119.2	209.9	493.0	1,173.4	2,672.8	6,301.6	15,419.8
1979	646.1	290.8	23.7	33.7	94.2	133.1	119.6	202.3	462.5	1,126.6	2,572.9	6,290.3	15,097.1
1980	650.8	273.1	25.6	26.4	91.4	118.9	118.6	189.5	471.4	1,131.1	2,647.0	6,188.2	15,531.6
1981	648.8	266.0	23.0	35.0	89.2	132.5	127.3	185.4	469.2	1,118.6	2,593.3	6,130.5	15,533.1
1982	639.3	249.9	18.9	28.5	84.2	116.2	121.1	177.5	449.0	1,094.8	2,604.6	6,095.4	15,723.0
1983	620.4	252.4	20.1	27.2	83.5	103.7	111.6	170.5	427.1	1,080.5	2,572.2	5,867.1	14,896.3
1984	638.3	247.4	19.3	29.2	93.0	107.6	102.9	174.1	404.3	1,059.8	2,543.2	6,052.3	16,544.4
1985	626.0	228.0	24.4	22.9	78.0	114.8	106.2	161.1	386.7	1,058.9	2,437.2	5,988.9	15,601.4
1986	636.0	208.8	22.3	25.5	100.5	114.3	114.2	169.9	378.7	1,067.2	2,473.5	5,884.3	15,250.2
1987	640.4	224.5	25.4	22.7	73.4	97.7	113.8	161.7	368.8	1,044.0	2,433.4	5,854.1	15,229.5
1988	645.8	207.3	18.7	25.4	86.1	96.3	119.3	154.0	356.8	996.4	2,376.6	5,887.0	15,092.7
1989	634.8	194.6	22.3	24.2	80.1	87.7	114.7	163.1	343.0	939.0	2,322.6	5,643.8	14,153.4
MALE:													
1970	898.4	581.3	51.6	50.9	149.4	184.0	201.7	365.2	774.1	1,957.5	4,292.2	9,660.3	19,105.3
1971	877.5	518.0	50.9	62.1	148.2	172.7	203.0	345.3	838.2	1,885.2	4,172.1	9,459.8	20,432.4
1972	845.2	475.5	47.6	48.7	168.8	195.1	184.3	319.9	783.6	1,883.7	4,179.9	9,301.0	20,122.9
1973	840.7	417.6	49.8	49.4	153.4	223.4	202.2	315.7	749.5	1,802.3	4,270.2	10,000.8	20,093.5
1974	784.7	399.4	40.8	45.6	152.8	207.4	176.1	315.7	717.9	1,756.0	3,990.1	8,717.9	19,097.5
1975	761.7	363.2	37.4	37.3	125.1	188.7	186.5	289.6	722.6	1,668.5	3,973.5	8,502.2	18,506.9
1976	761.7	379.1	37.8	49.9	136.8	188.9	172.5	273.6	696.5	1,589.7	3,890.7	8,859.4	19,133.8
1977	733.8	343.2	33.9	35.9	137.0	162.2	171.7	280.6	632.5	1,613.0	3,726.7	8,539.9	17,653.2
1978	736.1	314.0	31.0	52.0	139.7	200.8	164.0	250.1	648.5	1,579.2	3,740.3	8,521.9	18,232.4
1979	721.0	304.0	27.3	43.9	129.0	200.5	175.5	276.0	586.3	1,514.6	3,590.9	8,413.9	18,710.2
1980	711.2	309.0	36.5	33.6	119.9	174.5	163.3	236.5	593.5	1,505.5	3,606.1	8,258.5	18,820.5
1981	704.7	289.0	25.2	36.6	111.5	195.9	184.8	230.3	563.2	1,459.3	3,560.5	8,291.6	18,595.8
1982	696.0	288.5	21.1	41.9	118.7	157.0	179.9	237.8	568.3	1,422.9	3,508.1	8,058.6	19,790.0
1983	671.7	296.2	23.1	33.3	118.7	150.2	158.4	213.9	525.5	1,396.2	3,446.5	7,805.0	18,840.0
1984	662.8	269.6	22.6	29.9	132.0	153.2	144.1	220.6	511.5	1,332.4	3,315.9	7,855.1	18,963.1
1985	659.6	254.1	22.1	29.9	109.5	165.4	154.2	205.8	477.8	1,404.4	3,198.4	7,721.8	18,334.6
1986	665.8	238.6	25.7	38.6	142.0	172.8	167.1	213.6	458.5	1,356.9	3,199.5	7,576.1	17,680.3
1987	672.8	259.0	28.3	34.1	96.4	152.3	156.6	205.1	461.0	1,372.4	3,092.3	7,704.9	17,992.4
1988	674.1	240.3	21.7	30.5	114.4	126.8	173.9	204.1	442.5	1,246.9	3,136.7	7,760.9	16,902.0
1989	670.2	228.6	31.3	26.7	108.8	116.7	159.7	212.3	445.4	1,205.1	3,098.1	7,296.2	16,706.6
FEMALE:													
1970	669.7	437.7	30.0	28.6	75.7	75.2	94.3	197.0	428.2	980.8	2,091.1	6,072.1	16,357.7
1971	677.5	378.7	32.4	29.7	79.2	82.1	76.9	194.2	439.3	913.3	2,315.1	6,158.9	16,369.7
1972	641.2	313.3	25.1	30.5	74.5	70.6	81.8	173.2	431.2	905.0	2,159.3	5,873.7	15,778.5
1973	653.8	326.1	28.2	25.1	50.3	71.3	81.7	197.1	420.7	918.6	2,150.8	6,130.8	16,295.4
1974	621.9	312.2	28.9	25.2	55.8	64.1	71.7	164.9	425.1	893.5	2,046.3	5,659.3	14,947.5
1975	584.9	290.3	30.1	29.5	58.9	68.9	76.3	141.0	388.4	873.3	1,989.1	4,996.5	13,608.6
1976	604.2	280.4	27.9	23.6	55.2	59.7	80.9	170.9	369.8	898.3	1,895.9	5,293.9	14,580.7
1977	593.0	282.7	28.7	31.1	63.2	70.0	77.6	145.4	383.5	829.6	1,864.4	5,055.2	14,140.2
1978	589.3	274.4	32.4	25.6	68.9	63.5	72.8	169.4	341.6	801.0	1,832.8	4,970.8	14,151.4
1979	572.1	276.9	20.0	23.2	57.7	62.2	61.7	128.1	341.7	770.8	1,771.2	5,023.6	13,510.4
1980	591.2	234.4	14.3	18.8	61.5	61.0	72.4	142.4	352.0	787.8	1,890.7	4,958.7	14,122.2
1981	593.7	241.9	20.7	33.4	65.7	66.3	67.7	140.2	377.0	807.9	1,827.5	4,833.2	14,265.7
1982	583.3	209.4	16.6	14.5	47.8	73.3	60.0	116.4	332.1	796.8	1,886.1	4,910.7	14,082.0
1983	569.6	206.5	17.1	20.9	46.3	54.6	62.9	126.2	330.6	794.9	1,873.7	4,692.2	13,323.5
1984	614.0	224.1	15.9	28.4	51.8	59.4	60.2	126.6	299.1	813.6	1,923.1	4,956.9	15,585.9
1985	592.6	200.6	26.7	15.6	44.6	61.1	56.4	115.2	296.9	746.6	1,823.9	4,933.1	14,518.2
1986	606.5	177.5	18.6	11.9	56.5	52.0	59.7	124.9	300.0	804.5	1,886.3	4,850.9	14,286.4
1987	608.3	188.3	22.4	10.9	49.0	39.5	69.9	116.9	277.7	745.3	1,899.1	4,718.9	14,128.5
1988	617.8	172.7	15.5	20.0	56.0	63.5	63.7	102.2	271.9	767.9	1,758.8	4,731.9	14,371.4
1989	599.9	159.0	12.9	21.6	49.4	56.5	69.1	112.3	241.4	694.8	1,691.5	4,618.9	13,134.1

Rates are per 100,000 population in each age-and-sex group.

Deaths by Race/Ethnicity and Cause

Colorado's general mortality statistics largely reflect the experience of the large, white, non-Hispanic majority in the state. However, mortality patterns vary by race and ethnicity, both in Colorado and the United States as a whole. With improvements made in death certificate items pertaining to ethnicity, it is now possible to release more complete race and ethnic death statistics by cause for the state.

Colorado deaths from selected causes by race/ethnicity in 1989 appear in Table 75. Some of the more obvious differences in mortality by race/ethnicity can be seen in rankings of leading causes.

Among whites (white, non-Spanish origin), the leading causes of deaths in 1989 were heart disease, malignant neoplasms, COPD, cerebrovascular disease, unintentional injuries and pneumonia and influenza.

Among Hispanics (white, Spanish origin), heart disease and malignant neoplasms were followed by unintentional injuries as the third leading cause. Cerebrovascular disease ranked fourth, with COPD, diabetes mellitus and chronic liver disease and cirrhosis following.

For blacks, heart disease and malignant neoplasms were followed by cerebrovascular disease and unintentional injuries tied in third place. Homicide ranked fifth, claiming a considerably higher proportion of lives among blacks than among whites or Hispanics.

Tables 76 through 80 show leading causes of death by race/ethnicity, age and sex. White mortality data appear in Table 76, with Hispanic data in Table 77, black in Table 78, native American in Table 79, and Asian in Table 80.

Table 81 presents age- and cause-specific death rates for Colorado blacks, Hispanics and whites in 1989. Higher death rates by age appeared with unintentional injuries among blacks and Hispanics. Blacks also experienced higher rates of homicide and most chronic diseases. Hispanics rates for chronic liver disease and diabetes were high, and whites experienced higher death rates from COPD.

In some cases age-specific death rates differed greatly by race/ethnicity. An example is the homicide rate among blacks aged 15-24, which was nearly nine times higher than the rate for whites. Some rates in the table are based on few cases and should be viewed with caution.

Age-adjusted death rates for blacks, Hispanics and whites by sex appear in Table 82. This table indicates that racial and ethnic differences in mortality by cause are not simply the result of different age distributions in the groups. The Colorado white age-adjusted death rate of 426.1 deaths per 100,000 population compares with the Hispanic rate of 503.2 and the black rate of 664.3. The black age-adjusted death rate therefore was over 50 percent higher than the white rate in 1989.

Cardiovascular Diseases

Cardiovascular diseases pertain to the heart and blood vessels and include such conditions as heart disease, cerebrovascular disease, hypertension and atherosclerosis. When considered as a whole, cardiovascular diseases caused nearly 4 out of every 10 Colorado resident deaths in 1989. Cardiovascular disease deaths totaled 8,105 in 1989. These diseases claimed 36.1 percent of Colorado male deaths and 41.1 percent of female deaths in 1989.

The crude death rate for all cardiovascular diseases was 244.4 deaths per 100,000 population. Colorado's rate for cardiovascular diseases consistently is lower than that for the nation. The crude U.S. rate was [illegible].4 in 1989.

Heart disease accounted for three-fourths of Colorado cardiovascular disease deaths in 1989. Cerebrovascular disease took 16 percent of the deaths, followed by atherosclerosis with 4 percent and hypertension with 1 percent. Figure 37 shows the percent distribution of cardiovascular disease deaths by type in 1989.

Heart Disease

Colorado resident deaths from heart disease totaled 6,088 in 1989, almost 6 percent fewer than the 6,466 reported in 1988. The crude death rate for heart disease was 183.5 deaths per 100,000 population in 1989 down from 195.9 in 1988 and the lowest heart disease death rate since at least 1930.

Colorado's male crude death rate for heart disease was 191.8 in 1989, higher than the female rate of 175.4. Male rates are higher than female rates for all age groups.

Colorado's crude heart disease death rate continued to be lower than the U.S. rate, which was 296.3 in 1989. The state's age-adjusted death rate for heart disease also was lower at 115.0, compared to a national rate of 155.9.

Table 61. Deaths by Race/Ethnicity, Age and Sex: Colorado Residents, 1989

RACE/ ETHNICITY	SEX	TOTAL	AGE AT DEATH <1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	T	21,056	459	77	57	55	181	219	696	918	1,142	2,394	4,476	5,629	4,753
	M	11,043	279	43	41	31	127	151	488	607	739	1,470	2,679	2,786	1,602
	F	10,013	180	34	16	24	54	68	208	311	403	924	1,797	2,843	3,151
Total White	T	20,115	402	62	50	49	172	197	630	854	1,063	2,255	4,281	5,463	4,637
	M	10,526	245	37	38	28	119	134	445	564	694	1,393	2,560	2,703	1,566
	F	9,589	157	25	12	21	53	63	185	290	369	862	1,721	2,760	3,071
Non-Spanish Origin White	T	18,281	315	43	43	42	129	151	512	715	901	2,011	3,953	5,081	4,385
	M	9,411	193	26	32	24	86	99	363	469	579	1,241	2,361	2,501	1,437
	F	8,870	122	17	11	18	43	52	149	246	322	770	1,592	2,580	2,948
Spanish Origin White	T	1,834	87	19	7	7	43	46	118	139	162	244	328	382	252
	M	1,115	52	11	6	4	33	35	82	95	115	152	199	202	129
	F	719	35	8	1	3	10	11	36	44	47	92	129	180	123
Total Non-White	T	939	56	15	7	6	9	22	66	64	79	139	194	166	116
	M	516	34	6	3	3	8	17	43	43	45	77	118	83	36
	F	423	22	9	4	3	1	5	23	21	34	62	76	83	80
Black	T	741	45	10	3	6	7	17	52	44	66	115	151	130	95
	M	413	27	4	1	3	6	13	35	32	41	64	93	67	27
	F	328	18	6	2	3	1	4	17	12	25	51	58	63	68
Native American	T	72	3	3	0	0	1	2	10	11	3	8	14	13	4
	M	44	3	1	0	0	1	2	6	8	1	5	8	6	3
	F	28	0	2	0	0	0	0	4	3	2	3	6	7	1
Asian	T	126	8	2	4	0	1	3	4	9	10	16	29	23	17
	M	59	4	1	2	0	1	2	2	3	3	8	17	10	6
	F	67	4	1	2	0	0	1	2	6	7	8	12	13	11
Unknown/ Not Stated	T	2	1	0	0	0	0	0	0	0	0	0	1	0	0
	M	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	F	1	1	0	0	0	0	0	0	0	0	0	0	0	0

Definitions of race categories may be found in the technical notes for this report.

Figure 38 shows heart disease deaths by type in 1989. Ischemic heart disease caused 4,302 Colorado deaths in 1989, 70.7 percent of total heart disease deaths.

Ischemic heart disease involves damage to the muscle tissues of the heart as a result of inadequate blood supply. In most cases the cause of ischemic heart disease is coronary atherosclerosis, which occurs as coronary arteries narrow and harden from accumulations of fat, cholesterol and other substances.

Of total ischemic heart disease deaths, 2,101 deaths were from acute myocardial infarctions (heart attacks) and 2,173 were from old myocardial infarction and other forms of chronic ischemic heart disease. Fatal acute myocardial infarction occurred more often among men than among women. Acute myocardial infarctions claimed 39 percent of male heart disease deaths but only 29 percent of female heart disease deaths.

Hypertensive heart disease caused 156 deaths in 1989. Other diseases of the endocardium, which include heart valve disorders and endocarditis, claimed 154 lives. Rheumatic fever and rheumatic heart disease caused 108 deaths. Death rates for all types of heart disease tend to increase with age.

Figure 31. Number of Deaths by Single-Year Age and Sex of Decedents: Colorado Residents, 1989

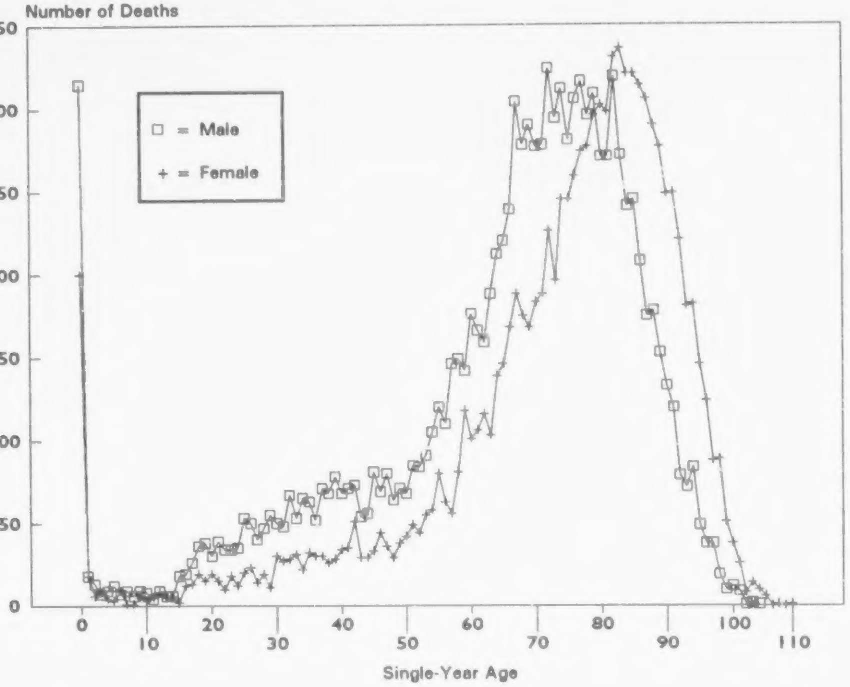
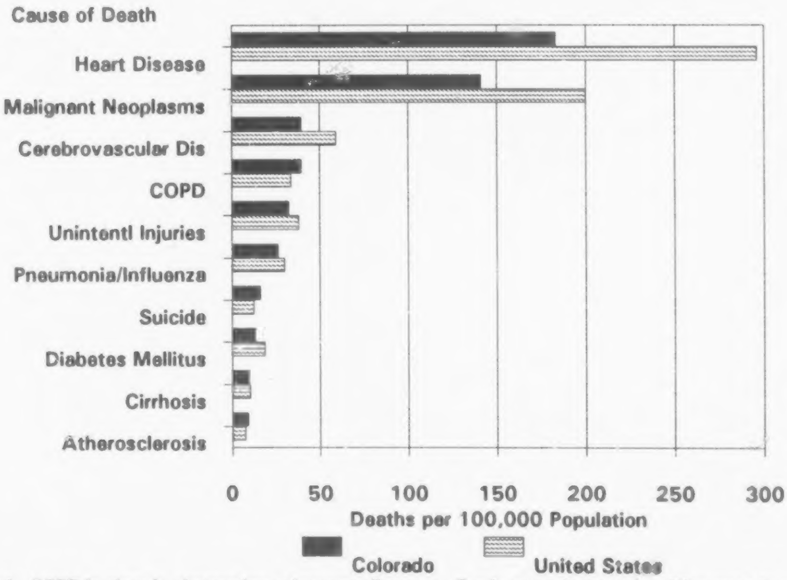


Figure 32. Crude Death Rates for Leading Causes: Colorado Residents and United States, 1989



U.S. data are provisional. COPD is chronic obstructive pulmonary diseases. Crude rates do not take differences in age distribution into account. See Figure 34.

Table 62. Leading Causes of Death and Crude Death Rates: Colorado Residents and United States, 1988 and 1989

CAUSES OF DEATH/ICD9 CODES	COLORADO RANK	COLORADO NUMBER	COLORADO RATE	COLORADO PERCENT OF TOTAL	UNITED STATES RANK	UNITED STATES NUMBER	UNITED STATES RATE	UNITED STATES PERCENT OF TOTAL
1988:								
All Causes of Death		21,312	645.8	100.0		2,167,999	883.8	100.0
Heart Disease (390-398,402,404-429)	1	6,466	195.9	30.3	1	765,156	311.7	35.3
Malignant Neoplasms (140-208)	2	4,446	134.7	20.9	2	485,048	198.1	22.4
Cerebrovascular Diseases (430-438)	3	1,324	40.1	6.2	3	150,517	60.9	6.9
Chronic Obstructive Pulmonary Diseases (490-496)	4	1,293	39.2	6.1	5	82,853	33.3	3.8
Unintentional Injuries (E800-E949)	5	1,125	34.1	5.3	4	97,100	39.0	4.5
Motor Vehicle (E810-E825)		559	16.9	2.6		49,078	19.7	2.3
All Other (E800-E807,E826-E949)		566	17.2	2.7		48,022	19.3	2.2
Pneumonia and Influenza (480-487)	6	984	29.8	4.6	6	77,662	31.4	3.6
Suicide (E950-E959)	7	598	18.1	2.8	8	30,407	11.8	1.4
Diabetes Mellitus (250)	8	371	11.2	1.7	7	40,368	16.1	1.9
Chronic Liver Disease and Cirrhosis (571)	10	275	8.3	1.3	9	26,409	10.6	1.2
Atherosclerosis (440)	9	357	10.8	1.7	10	22,086	9.6	1.0
Human Immunodeficiency Virus Infection (042-044)	15	168	5.1	0.8	15	16,602	6.6	0.8
Septicemia (038)	12	196	5.9	0.9	13	20,925	8.5	1.0
Certain Conditions of Perinatal Period (760-779)	11	198	6.0	0.9	14	18,220	7.4	0.8
Congenital Anomalies (740-759)	14	184	5.6	0.9	16	12,753	5.1	0.6
Homicide and Legal Intervention (E960-E978)	13	190	5.8	0.9	12	22,032	8.7	1.0
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	16	145	4.4	0.7	11	22,392	9.1	1.0
1989:								
All Causes of Death		21,056	634.8	100.0		2,155,000	868.1	100.0
Heart Disease (390-398,402,404-429)	1	6,088	183.5	28.9	1	735,450	296.3	34.1
Malignant Neoplasms (140-208)	2	4,691	141.4	22.3	2	497,220	200.3	23.1
Cerebrovascular Diseases (430-438)	3	1,319	39.8	6.3	3	147,470	59.4	6.8
Chronic Obstructive Pulmonary Diseases (490-496)	4	1,318	39.7	6.3	5	84,350	34.0	3.9
Unintentional Injuries (E800-E949)	5	1,087	32.8	5.2	4	94,780	38.2	4.4
Motor Vehicle (E810-E825)		558	16.8	2.7		48,800	19.7	2.3
All Other (E800-E807,E826-E949)		529	15.9	2.5		45,980	18.5	2.1
Pneumonia and Influenza (480-487)	6	885	26.7	4.2	6	75,240	30.3	3.5
Suicide (E950-E959)	7	546	16.5	2.6	8	31,210	12.6	1.4
Diabetes Mellitus (250)	8	445	13.4	2.1	7	46,560	18.8	2.2
Chronic Liver Disease and Cirrhosis (571)	9	324	9.8	1.5	9	26,380	10.6	1.2
Atherosclerosis (440)	10	316	9.5	1.5	14	19,120	7.7	0.9
Human Immunodeficiency Virus Infection (042-044)	11	220	6.6	1.0	11	21,360	8.6	1.0
Septicemia (038)	12	181	5.5	0.9	13	20,850	7.7	1.0
Certain Conditions of Perinatal Period (760-779)	13	178	5.4	0.8	15	18,540	7.5	0.9
Congenital Anomalies (740-759)	14	160	4.8	0.8	16	12,680	5.1	0.6
Homicide and Legal Intervention (E960-E978)	15	158	4.8	0.8	10	23,020	9.3	1.1
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	16	117	3.5	0.6	12	21,230	8.6	1.0

Rates are deaths per 100,000 population. Chronic obstructive pulmonary diseases include asthma, chronic bronchitis, emphysema, and other obstructive lung conditions. Human immunodeficiency virus infection = Acquired immunodeficiency syndrome (AIDS). This table includes HIV infection deaths among standard leading causes of death. U.S. data are from the National Center for Health Statistics and are subject to revision. This table presents crude death rates. COMPARISONS OF COLORADO AND U.S. RATES SHOULD TAKE DIFFERENT AGE DISTRIBUTIONS IN THE POPULATIONS INTO ACCOUNT.

Figure 33. Percent Distribution of Leading Causes of Death: Colorado Residents, 1989

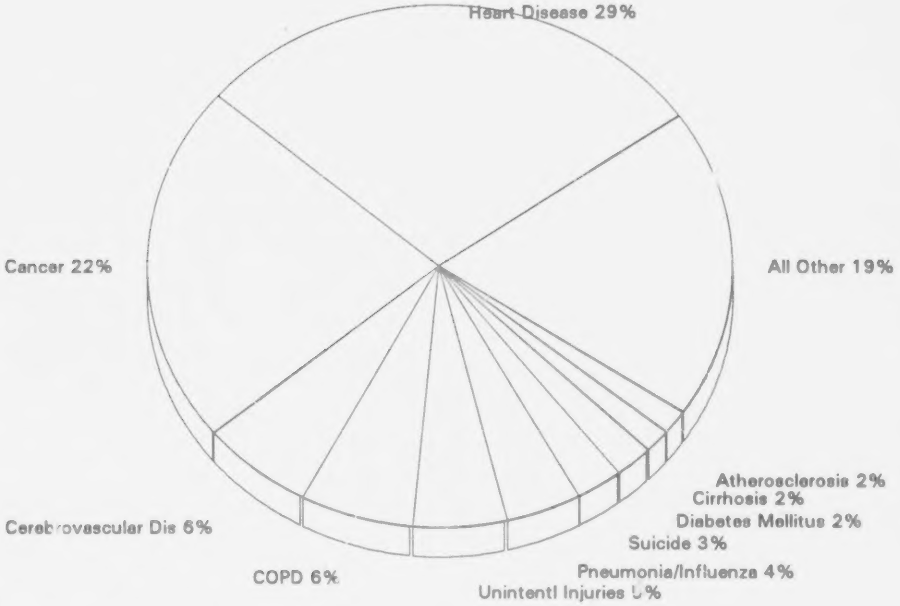
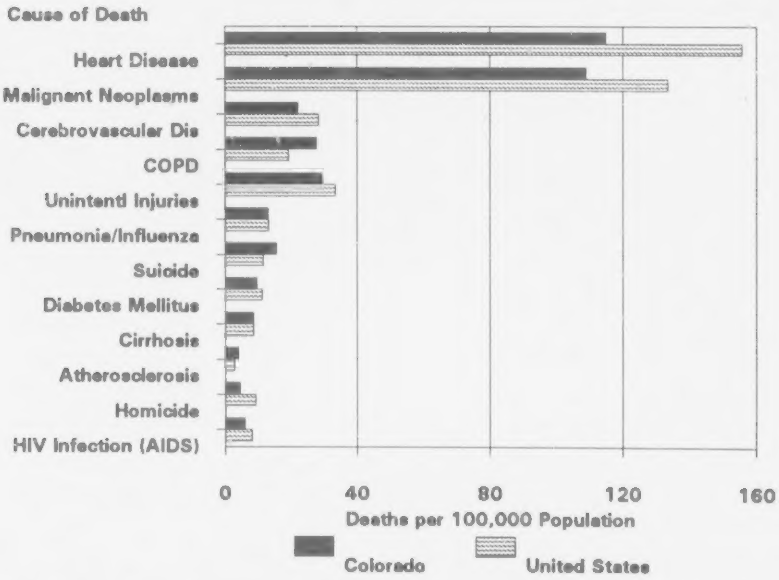


Figure 34. Age-Adjusted Death Rates for Leading Causes: Colorado Residents and United States, 1989



U.S. data are provisional. COPD is chronic obstructive pulmonary diseases. See technical notes for expanation of age adjustment.

Table 63. Deaths from Selected Causes by Month of Occurrence: Colorado Residents, 1989

CAUSE OF DEATH AND ICD9 CODES	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NUMBER OF DEATHS:													
All Causes of Death	21,056	1,927	1,776	1,895	1,666	1,744	1,626	1,731	1,649	1,604	1,786	1,773	1,879
Heart Disease (390-398,402,404-429)	6,088	565	512	586	514	522	452	476	453	423	519	512	554
Malignant Neoplasms (140-208)	4,691	400	376	383	348	382	370	382	407	404	395	415	429
Cerebrovascular Diseases (430-438)	1,319	117	102	124	100	124	115	98	115	95	114	104	111
Chronic Obstructive Pulmonary Diseases (490-496)	1,318	137	130	121	113	114	87	99	96	87	95	114	125
Unintentional Injuries (E800-E949)	1,087	69	64	69	90	98	91	141	94	99	104	87	81
Motor Vehicle	558	31	26	32	49	54	57	54	56	50	65	41	43
All Other	529	38	38	37	41	44	34	87	38	49	39	46	38
Pneumonia and Influenza (480-487)	885	91	107	98	60	71	55	70	41	55	74	83	80
Suicide (E950-E959)	546	54	37	48	62	43	50	45	53	42	36	46	30
Diabetes Mellitus (250)	445	40	50	39	27	44	32	33	24	38	42	37	39
Chronic Liver Disease and Cirrhosis (571)	324	28	36	32	23	21	24	22	20	29	29	33	27
Atherosclerosis (440)	316	40	27	30	29	22	25	28	19	21	27	17	31
Human Immunodeficiency Virus Infection (042-044)	220	14	10	14	17	14	15	20	16	26	27	21	26
Septicemia (038)	181	28	14	14	14	14	23	19	12	16	12	7	8
Certain Conditions Originating in Perinatal Period (760-779)	178	17	12	19	18	15	22	17	16	13	11	12	6
Congenital Anomalies (740-759)	160	15	17	12	12	10	12	17	17	15	11	12	10
Homicide and Legal Intervention (E960-E978)	158	15	13	10	8	17	15	12	11	17	13	14	13
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	117	15	11	10	10	8	8	7	10	5	4	14	15
All Other (Residual)	3,023	282	258	286	221	225	230	245	245	219	273	245	294
PERCENT DISTRIBUTION OF DEATHS BY MONTH:													
All Causes of Death	100.0	9.2	8.4	9.0	7.9	8.3	7.7	8.2	7.8	7.6	8.5	8.4	8.9
Heart Disease (390-398,402,404-429)	100.0	9.3	8.4	9.6	8.4	8.6	7.4	7.8	7.4	6.9	8.5	8.4	9.1
Malignant Neoplasms (140-208)	100.0	8.5	8.0	8.2	7.4	8.1	7.9	8.1	8.7	8.6	8.4	8.8	9.1
Cerebrovascular Diseases (430-438)	100.0	8.9	7.7	9.4	7.6	9.4	8.7	7.4	8.7	7.2	8.6	7.9	8.4
Chronic Obstructive Pulmonary Diseases (490-496)	100.0	10.4	9.9	9.2	8.6	8.6	6.6	7.5	7.3	6.6	7.2	8.6	9.5
Unintentional Injuries (E800-E949)	100.0	6.3	5.9	6.3	8.3	9.0	8.4	13.0	8.6	9.1	9.6	8.0	7.5
Motor Vehicle Accidents	100.0	5.6	4.7	5.7	8.8	9.7	10.2	9.7	10.0	9.0	11.6	7.3	7.7
All Other Accidents	100.0	7.2	7.2	7.0	7.8	8.3	6.4	16.4	7.2	9.3	7.4	8.7	7.2
Pneumonia and Influenza (480-487)	100.0	10.3	12.1	11.1	6.8	8.0	6.2	7.9	4.6	6.2	8.4	9.4	9.0
Suicide (E950-E959)	100.0	9.9	6.8	8.8	11.4	7.9	9.2	8.2	9.7	7.7	6.6	8.4	5.5
Diabetes Mellitus (250)	100.0	9.0	11.2	8.8	6.1	9.9	7.2	7.4	5.4	8.5	9.4	8.3	8.8
Chronic Liver Disease and Cirrhosis (571)	100.0	8.6	11.1	9.9	7.1	6.5	7.4	6.8	6.2	9.0	9.0	10.2	8.3
Atherosclerosis (440)	100.0	12.7	8.5	9.5	9.2	7.0	7.9	8.9	6.0	6.6	8.5	5.4	9.8
Human Immunodeficiency Virus Infection (042-044)	100.0	6.4	4.5	6.4	7.7	6.4	6.8	9.1	7.3	11.8	12.3	9.5	11.8
Septicemia (038)	100.0	15.5	7.7	7.7	7.7	7.7	12.7	10.5	6.6	8.8	6.6	3.9	4.4
Certain Conditions Originating in Perinatal Period (760-779)	100.0	9.6	6.7	10.7	10.1	8.4	12.4	9.6	9.0	7.3	6.2	6.7	3.4
Congenital Anomalies (740-759)	100.0	9.4	10.6	7.5	7.5	6.3	7.5	10.6	10.6	9.4	6.9	7.5	6.3
Homicide and Legal Intervention (E960-E978)	100.0	9.5	8.2	6.3	5.1	10.8	9.5	7.6	7.0	10.8	8.2	8.9	8.2
Nephritis, Nephrosis, Nephrotic Syndrome (580-589)	100.0	12.8	9.4	8.5	8.5	6.8	6.8	6.0	8.5	4.3	3.4	12.0	12.8
All Other (Residual)	100.0	9.3	8.5	9.5	7.3	7.4	7.6	8.1	8.1	7.2	9.0	8.1	9.7

Table 64. Deaths and Death Rates for Selected Causes: Colorado Residents, Selected Years, 1940-1989

CAUSE OF DEATH	1940	1950	1960	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
All Deaths	12,181	12,222	15,351	17,439	18,927	19,360	19,638	19,531	20,356	20,234	20,768	21,089	21,312	21,056
Heart Disease	2,933	4,186	5,278	6,059	6,411	6,592	6,618	6,426	6,603	6,416	6,443	6,366	6,466	6,088
Malignant Neoplasms	1,304	1,700	2,209	2,683	3,633	3,721	3,853	3,920	4,181	4,031	4,348	4,392	4,446	4,691
Cerebrovascular Diseases	977	1,156	1,601	1,769	1,386	1,380	1,331	1,250	1,275	1,297	1,307	1,339	1,324	1,319
Chronic Obstructive Pulmonary Diseases	NAV	NAV	NAV	492	854	914	926	962	1,088	1,128	1,141	1,245	1,293	1,318
Emphysema	4	12	193	372	178	183	194	196	182	192	206	202	236	237
Unintentional Injuries	1,017	936	1,077	1,280	1,383	1,414	1,346	1,284	1,257	1,276	1,248	1,226	1,125	1,087
Pneumonia and Influenza	1,005	638	860	727	651	671	703	743	786	867	862	901	984	885
Suicide	220	201	230	402	468	537	506	577	528	580	572	561	598	546
Diabetes Mellitus	201	145	184	279	276	278	296	306	301	335	347	370	371	445
Chronic Liver Disease and Cirrhosis	78	111	170	313	284	268	294	291	302	280	308	258	275	324
Atherosclerosis	261	254	398	373	334	354	351	317	317	352	349	326	357	316
Other Circulatory	64	91	219	298	214	210	245	207	221	232	248	291	272	291
Certain Conditions of Perinatal Period	577	682	802	461	229	225	212	234	212	198	188	200	198	178
Congenital Anomalies	127	176	227	215	170	180	176	169	184	168	147	185	184	160
Homicide	52	44	69	147	197	242	201	189	192	190	237	204	190	158
Nephritis, Nephrosis, Nephrotic Syndrome	788	190	112	67	129	163	181	167	197	193	170	142	145	117
Tuberculosis	457	208	76	34	13	8	11	7	5	12	12	16	13	15
All Other Causes	2,116	1,492	1,646	1,840	2,295	2,203	2,388	2,482	2,707	2,679	2,841	3,067	3,071	3,118
RATE:														
All Deaths	1084.4	922.4	875.2	782.6	650.8	648.8	639.3	620.4	638.3	626.0	636.0	640.4	645.8	634.8
Heart Disease	261.1	315.9	300.9	271.9	220.4	220.9	215.5	204.1	207.0	198.5	197.3	193.3	195.9	183.5
Malignant Neoplasms	116.1	128.3	125.9	120.4	124.9	124.7	125.4	124.5	131.1	124.7	133.2	133.4	134.7	141.4
Cerebrovascular Diseases	87.0	87.2	91.3	79.4	47.7	46.2	43.3	39.7	40.0	40.1	40.0	40.7	40.1	39.8
Chronic Obstructive Pulmonary Diseases	NAV	NAV	NAV	22.1	29.4	30.6	30.1	30.6	34.1	34.9	34.9	37.8	39.2	39.7
Emphysema	0.4	0.9	11.0	16.7	6.1	6.1	6.3	6.2	5.7	5.9	6.3	6.1	7.2	7.1
Unintentional Injuries	90.5	70.6	61.4	57.4	47.6	47.4	43.8	40.8	39.4	39.5	38.2	37.2	34.1	32.8
Pneumonia and Influenza	89.5	48.1	49.0	32.6	22.4	22.5	22.9	23.6	24.6	26.8	26.4	27.4	29.8	26.7
Suicide	19.6	15.2	13.1	18.0	16.1	18.0	16.5	18.3	16.6	17.9	17.5	17.0	18.1	16.5
Diabetes Mellitus	17.9	10.9	10.5	12.5	9.5	9.3	9.6	9.7	9.4	10.4	10.6	11.2	11.2	13.4
Chronic Liver Disease and Cirrhosis	6.9	8.4	9.7	14.0	9.8	9.0	9.6	9.2	9.5	8.7	9.4	7.8	8.3	9.8
Atherosclerosis	23.2	19.2	22.7	16.7	11.5	11.9	11.4	10.1	9.9	10.9	10.7	9.9	10.8	9.5
Other Circulatory	5.7	6.9	12.5	13.4	7.4	7.0	8.0	6.6	6.9	7.2	7.6	8.8	8.2	8.8
Certain Conditions of Perinatal Period	51.4	51.5	45.7	20.7	7.9	7.5	6.9	7.4	6.6	6.1	5.8	6.1	6.0	5.4
Congenital Anomalies	11.3	13.3	12.9	9.6	5.8	6.0	5.7	5.4	5.8	5.2	4.5	5.6	5.6	4.8
Homicide	4.6	3.3	3.9	6.6	6.8	8.1	6.5	6.0	6.0	5.9	7.3	6.2	5.8	4.8
Nephritis, Nephrosis, Nephrotic Syndrome	70.2	14.3	6.4	3.0	4.4	5.5	5.9	5.3	6.2	6.0	5.2	4.3	4.4	3.5
Tuberculosis	40.7	15.7	4.3	1.5	0.4	0.3	0.4	0.2	0.2	0.4	0.4	0.5	0.4	0.5

Rates are per 100,000 population. Other circulatory conditions include diseases of arteries, arterioles and capillaries such as aneurysms, embolisms, and thromboses. International Classification of Disease (ICD) codes, 5th through 9th Revisions, appear on page 275.

Table 65. Age-Adjusted Death Rates for Selected Causes of Death by Sex: Colorado Residents, 1980-89

CAUSES OF DEATH	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
TOTAL:										
All Causes of Death	514.1	511.1	501.1	485.8	487.8	473.6	475.4	466.0	457.4	440.4
Heart Disease	162.3	162.2	156.8	148.8	145.6	139.6	135.3	129.7	127.2	115.0
Malignant Neoplasms	108.7	108.9	109.5	108.9	112.2	106.5	112.2	108.7	107.9	109.1
Cerebrovascular Diseases	31.4	29.9	28.4	25.4	25.4	24.6	24.7	24.1	23.0	22.2
Chronic Obstructive Pulmonary Diseases	24.0	24.6	24.4	24.5	26.7	27.4	26.9	27.7	27.7	27.8
Unintentional Injuries	43.4	43.7	39.9	37.1	36.1	35.5	35.0	33.2	30.8	29.6
Motor Vehicle	24.9	24.3	20.9	20.8	19.6	18.6	18.9	18.2	17.1	16.7
All Other	18.5	19.4	19.0	16.3	16.5	16.9	16.1	15.0	13.7	12.9
Pneumonia and Influenza	14.0	13.9	14.1	14.3	14.6	15.5	15.4	14.8	15.4	13.2
Suicide	15.7	17.5	16.1	17.8	16.2	17.1	16.8	16.5	17.5	15.6
Diabetes Mellitus	7.8	7.5	7.8	7.9	7.3	7.5	8.1	8.4	8.3	9.7
Atherosclerosis	5.9	6.1	6.1	5.2	4.9	5.6	5.0	4.7	4.8	4.1
Chronic Liver Disease and Cirrhosis	10.2	9.3	9.9	9.3	9.4	8.7	9.0	7.4	7.7	8.8
Homicide and Legal Intervention	6.5	7.8	6.3	5.8	5.9	5.7	7.0	6.1	5.6	4.7
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	3.8	4.7	6.1
MALE:										
All Causes of Death	675.6	667.8	659.4	634.6	620.5	610.4	606.7	598.9	586.2	570.0
Heart Disease	225.3	224.7	215.4	211.2	198.2	190.9	185.9	179.1	171.4	159.4
Malignant Neoplasms	132.5	132.2	130.4	127.6	130.9	126.5	129.3	129.6	127.3	132.2
Cerebrovascular Diseases	34.5	30.4	30.9	26.6	24.7	26.3	24.4	22.5	22.6	23.9
Chronic Obstructive Pulmonary Diseases	38.6	39.8	38.1	37.3	39.0	40.6	39.3	39.9	41.0	37.7
Unintentional Injuries	63.1	64.6	59.1	53.2	52.4	51.8	50.1	47.6	42.7	40.3
Motor Vehicle	34.7	35.0	29.9	28.8	28.1	25.5	26.6	24.9	22.4	21.9
All Other	28.5	29.6	29.2	24.4	24.3	26.3	23.5	22.7	20.2	18.4
Pneumonia and Influenza	18.7	18.8	20.0	19.4	18.9	19.0	18.7	18.5	20.5	16.2
Suicide	24.6	26.1	25.8	27.8	25.9	26.6	26.3	27.0	27.3	26.0
Diabetes Mellitus	7.9	6.9	8.6	8.6	7.8	8.1	8.1	9.2	8.6	10.4
Atherosclerosis	6.4	7.6	6.7	5.0	4.8	6.0	4.5	4.5	5.3	4.5
Chronic Liver Disease and Cirrhosis	12.3	11.3	13.4	13.3	11.2	11.9	12.3	10.3	10.5	13.0
Homicide and Legal Intervention	9.7	10.7	9.4	8.7	8.5	8.2	10.7	8.2	7.5	6.1
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	7.1	9.1	11.8
FEMALE:										
All Causes of Death	384.1	385.8	373.6	366.9	380.3	362.1	367.4	357.7	351.9	333.9
Heart Disease	112.7	113.1	109.7	99.2	102.6	98.1	94.0	89.8	90.9	78.7
Malignant Neoplasms	91.6	92.4	95.1	96.4	99.5	92.1	101.0	94.6	94.5	92.5
Cerebrovascular Diseases	29.1	29.2	27.0	24.6	25.9	22.9	24.6	25.0	22.8	21.1
Chronic Obstructive Pulmonary Diseases	13.7	14.1	14.8	15.8	18.7	18.0	18.2	19.4	18.4	21.2
Unintentional Injuries	24.4	23.3	21.0	21.8	20.2	20.0	20.0	19.3	19.0	19.3
Motor Vehicle	15.2	13.7	11.9	12.9	11.1	11.8	11.2	11.6	11.8	11.7
All Other	9.2	9.6	9.1	8.9	9.1	8.2	8.8	7.7	7.3	7.6
Pneumonia and Influenza	10.9	10.5	10.3	11.1	11.9	13.4	13.2	12.3	12.1	11.2
Suicide	7.3	9.3	6.7	8.2	7.0	8.0	7.7	6.5	7.9	5.5
Diabetes Mellitus	7.8	8.0	7.0	7.3	6.7	6.9	8.0	7.8	8.0	9.0
Atherosclerosis	5.3	5.0	5.6	5.1	4.8	5.3	5.1	4.8	4.4	3.7
Chronic Liver Disease and Cirrhosis	8.4	7.4	6.7	5.8	7.9	5.8	6.0	4.8	5.2	5.1
Homicide and Legal Intervention	3.4	4.9	3.2	2.9	3.2	3.2	3.3	4.0	3.7	3.3
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	0.4	0.3	0.3

Rates are per 100,000 population. See technical notes for explanation of age adjustment. These figures were calculated by a different method than age-adjusted death rates found in county tables.

Malignant Neoplasms (Cancer)

Malignant neoplasms (cancer) of all types claimed the lives of 4,691 Coloradans in 1989, 22.3 percent of all deaths. The crude cancer death rate was 141.4 deaths per 100,000 population in 1989. The U.S. crude death rate was higher at 200.3 in 1989.

Little change has been seen either in total crude or age-adjusted malignant neoplasm death rates for Colorado in the 1980s. The age-adjusted death rate for the state was 109.1 in 1989, also lower than the age-adjusted U.S. rate of 133.7.

Cancer ranks as the number one killer of women in Colorado when causes are ranked by age-adjusted death rates. In 1989, the female age-adjusted death rate for malignant neoplasms was 92.5, with heart disease ranking second with a rate of 78.7. Among men, the age-adjusted cancer death rate was 132.2, second after the heart disease rate of 159.4.

In 1989, the crude death rate for Colorado males was 149.8, higher than the female rate of 133.1. However, some differences by age exist, with female rates being higher than male rates for ages 35-54 and male rates being higher among ages 55 and older. Rates for both sexes are higher among older populations.

Lung cancer claimed the lives of 1,111 Coloradans in 1989, 24 percent of all malignant neoplasm deaths. Deaths from cancer of the colon and rectum totaled 547, followed by female breast cancer with 425 deaths, prostate cancer with 339 deaths, pancreatic cancer with 259 deaths, and lymphomas with 212 deaths.

Among other cancer types, leukemia caused 176 deaths, brain cancer 144, ovarian cancer 132, stomach cancer 142, kidney cancer 121, melanomas of the skin 96, esophageal cancer 92, bladder cancer 90, liver cancer 77, cervical cancer 46, and uterine cancer 25 deaths.

Among males, lung cancer led with 690 deaths, 28 percent of total male deaths from malignant neoplasms. Prostate cancer killed 339 men, 14 percent of total. Cancer of the colon and rectum caused 270 deaths, 11 percent of male cancer deaths. Pancreatic cancer caused 136 deaths, lymphomas 113 deaths, and leukemia 103 deaths.

Among females, breast cancer led with 425 deaths, 19 percent of total cancer deaths. Lung cancer, which has increased among women and is challenging breast cancer as the leading killer among malignant neoplasms among women, caused 421 deaths, also 19 percent of total. Cancer of the colon and rectum caused 277 female deaths, 12 percent, followed by ovarian cancer with 132 deaths, pancreatic cancer with 123 deaths, and lymphomas with 99 deaths.

Figure 39 compares numbers of cancer deaths by type by sex.

Cerebrovascular Disease

Cerebrovascular disease killed 1,319 Coloradans in 1989. Included are diseases affecting the blood vessels of the brain, often associated with atherosclerosis or other conditions that harden or block blood vessels.

Cerebrovascular disease has ranked as the third leading cause of death in Colorado in each year since 1984. The crude death rate has changed little in the last decade, standing at 39.8 deaths per 100,000 population in 1989. Crude death rates in the state are substantially lower now than those seen before 1980. The U.S. crude death rate was 59.4 in 1989.

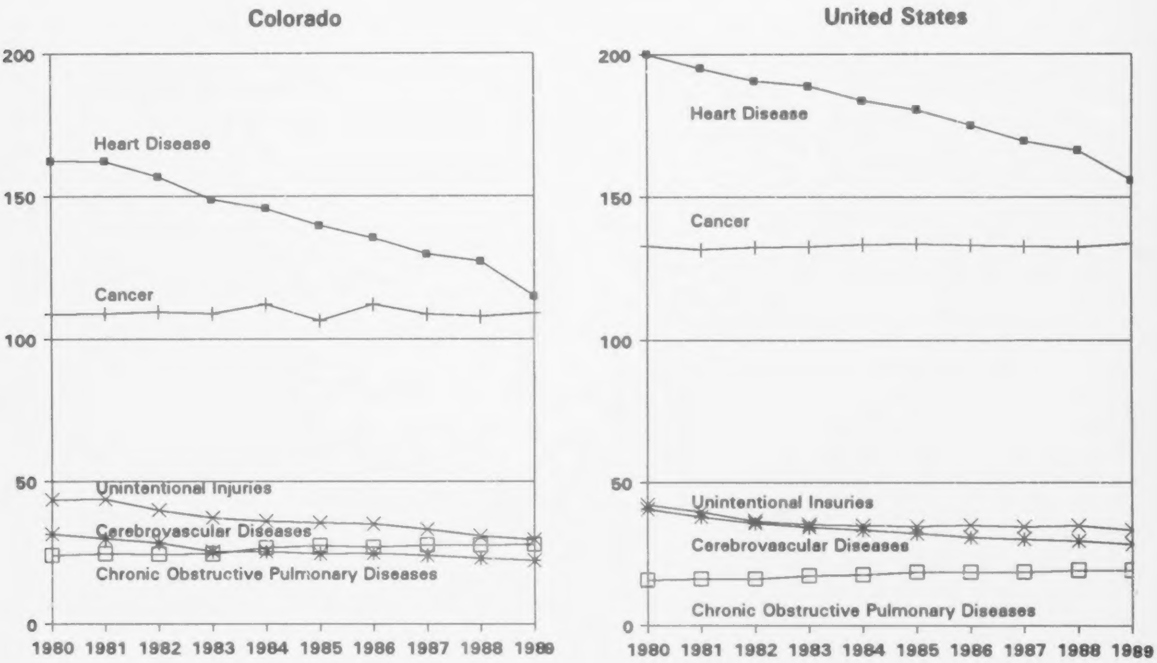
Age-adjusted death rates for cerebrovascular disease decreased in the 1980s in both Colorado and the country as a whole. Colorado's rate continues to be lower than that for the United States. Age-adjusted death rates for cerebrovascular disease in 1989 were 22.2 in Colorado and 28.5 in the nation, compared to rates in 1980 of 31.4 in Colorado and 40.8 in the nation.

Female crude death rates for cerebrovascular disease are higher than those for males. The female crude rate in 1989 of 47.8 compared with a male rate of 31.6.

These higher crude rates, however, result from the greater numbers of women in older age groups where cerebrovascular disease is most prevalent. In 1989, age-specific male rates actually were higher than those for women in most age groups. The age-adjusted male rate of 23.9 also exceeded the female rate of 21.1.

Deaths with acute but ill-defined cerebrovascular disease reported on the death certificate accounted for 767 of the 1,319 deaths from this cause, 58.2 percent of total. Deaths from intracranial hemorrhage, including subarachnoid and intracerebral hemorrhage, totaled 199. Cerebral thrombosis or infarction caused 120 deaths.

Figure 35. Age-Adjusted Death Rates for Five Leading Causes: Colorado Residents and United States, 1980-1989



Chronic Obstructive Pulmonary Diseases (COPD)

Deaths from chronic obstructive pulmonary diseases (COPD), which include emphysema, chronic bronchitis, asthma and other obstructive lung disorders, continued to increase in Colorado, claiming 1,318 lives in 1989. COPD ranked as the fourth leading cause of death, with only one death fewer than cerebrovascular diseases, the third leading cause.

The state's COPD crude death rate was 39.7 in 1989, up from 39.2 in 1988. The U.S. crude death rate for COPD was 34.0 in 1989.

Colorado's age-adjusted death rate for COPD of 27.8 in 1989 was 43 percent higher than the U.S. rate of 19.4. Rates for the state are higher among all age groups 35 years and older than in the nation as whole.

Colorado's COPD death rates are not among the highest in the country. Other states experience higher COPD death rates. It is the marked contrast of higher COPD mortality in Colorado with lower rates for other chronic diseases that causes concern.

The Colorado male crude COPD death rate of 45.8 in 1989 compares with a female crude rate of 33.8. Male death rates are higher than female rate among all ages, especially among the oldest populations. An exception is asthma, for which female death rates tend to be higher.

Of the total 1,318 COPD deaths to Coloradans in 1989, 941 were from chronic airways obstructions with entries such as obstructive lung disease noted on the death certificate. Emphysema caused 237 deaths, asthma 83, and bronchitis (chronic and unspecified) 57 deaths. Figure 40 shows distribution of Colorado COPD deaths by type in 1989. Terminology used on death certificates to describe specific COPDs may not be applied consistently.

Figure 36. Percent Distribution of Causes of Death by Age: Colorado Residents, 1989

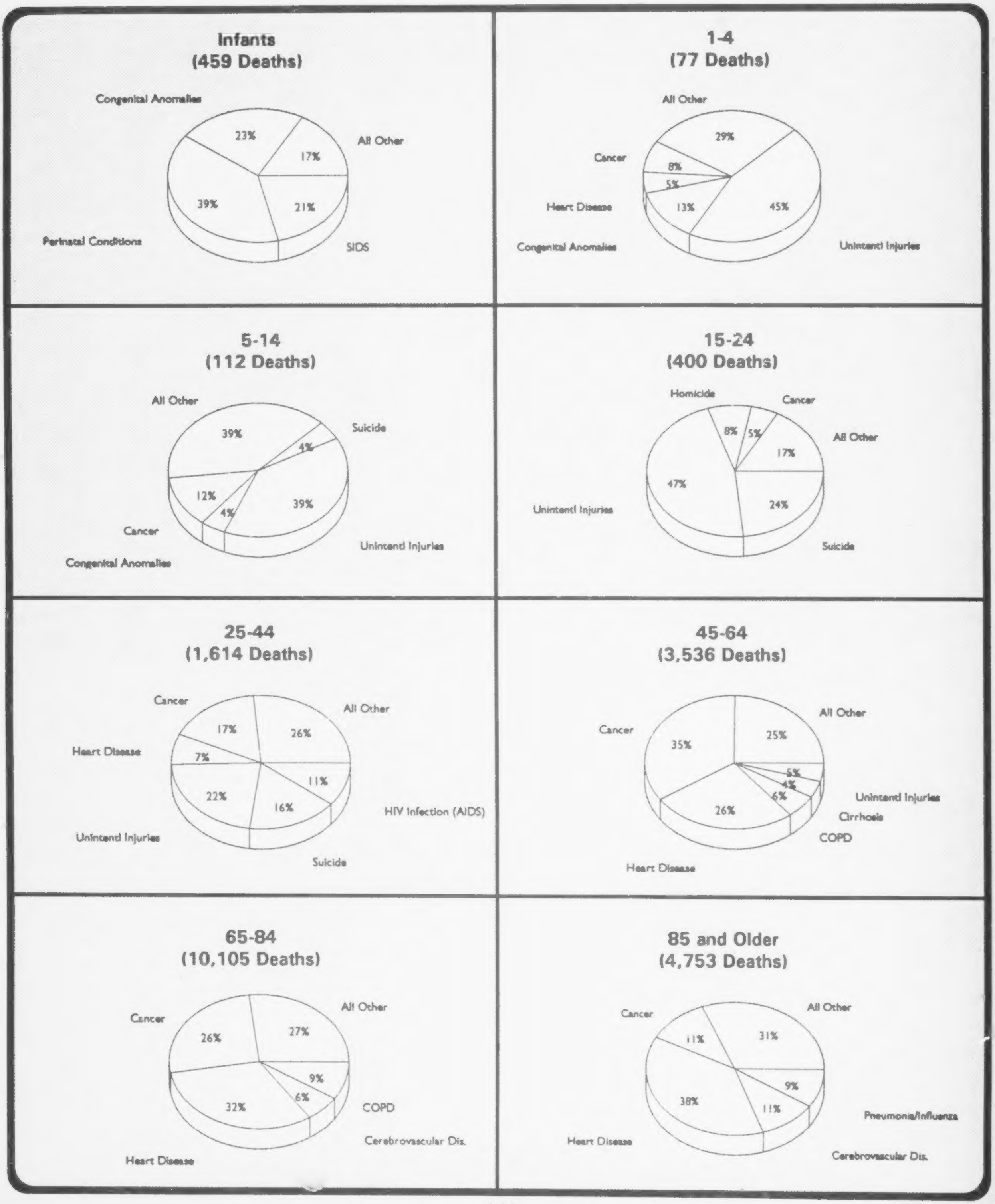


Table 66. Age-Adjusted Death Rates for Selected Causes of Death by Sex: United States, 1980-89

CAUSES OF DEATH	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
TOTAL:										
All Causes of Death	585.8	568.2	553.8	550.5	545.9	546.1	541.7	535.5	535.5	524.1
Heart Disease	202.0	195.0	190.5	188.8	183.6	180.5	175.0	169.6	166.3	155.9
Malignant Neoplasms	132.8	131.6	132.5	132.6	133.5	133.6	133.2	132.9	132.7	133.7
Cerebrovascular Diseases	40.8	38.1	35.8	34.4	33.4	32.3	31.0	30.3	29.7	28.5
Chronic Obstructive Pulmonary Diseases	15.9	16.3	16.2	17.4	17.7	18.7	18.8	18.7	19.4	19.4
Unintentional Injuries	42.3	39.8	36.6	35.3	35.0	34.7	35.2	34.6	35.0	33.5
Motor Vehicle	22.9	21.8	19.3	18.5	19.1	18.8	16.4	19.5	19.7	19.4
All Other	19.5	18.0	17.3	16.8	15.9	16.0	15.7	15.2	15.3	14.1
Pneumonia and Influenza	12.9	12.3	10.9	11.8	12.2	13.4	13.5	13.1	14.2	13.3
Suicide	11.4	11.5	11.6	11.4	11.6	11.5	11.9	11.7	11.4	11.7
Diabetes Mellitus	10.1	9.8	9.6	9.9	9.5	9.6	9.6	9.8	10.1	11.3
Atherosclerosis	5.7	5.2	4.8	4.6	4.2	4.0	3.7	3.6	3.4	3.0
Chronic Liver Disease and Cirrhosis	12.2	11.4	10.5	10.2	10.0	9.6	9.2	9.1	9.0	8.7
Homicide and Legal Intervention	10.8	10.4	9.7	8.6	8.4	8.3	9.0	8.6	9.0	9.4
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	5.5	6.6	8.3
MALE:										
All Causes of Death	777.2	753.3	733.1	725.3	716.7	716.8	709.1	698.6	-	-
Heart Disease	280.4	271.2	264.4	260.4	252.2	247.7	238.2	229.6	-	-
Malignant Neoplasms	165.5	163.7	164.8	164.3	164.6	164.5	163.6	163.2	-	-
Cerebrovascular Diseases	44.9	41.7	39.2	37.7	36.4	35.2	33.5	32.7	-	-
Chronic Obstructive Pulmonary Diseases	26.1	26.2	25.5	27.0	27.0	27.9	27.6	26.9	-	-
Unintentional Injuries	64.0	60.2	55.2	52.9	52.3	51.8	52.5	51.2	-	-
Motor Vehicle	34.3	32.7	28.7	27.4	28.0	27.4	28.5	28.1	-	-
All Other	29.6	27.5	26.5	25.5	24.3	24.4	23.9	23.1	-	-
Pneumonia and Influenza	17.4	16.6	15.2	16.2	16.7	18.2	18.4	17.7	-	-
Suicide	18.0	18.0	18.3	18.2	18.7	18.8	19.3	13.2	-	-
Diabetes Mellitus	10.2	10.0	9.8	9.9	9.8	9.9	9.9	10.3	-	-
Atherosclerosis	6.6	6.0	5.7	5.3	4.8	4.6	4.3	4.1	-	-
Chronic Liver Disease and Cirrhosis	17.1	16.0	14.9	14.3	14.1	13.6	13.0	13.0	-	-
Homicide and Legal Intervention	17.4	16.7	15.3	13.6	13.0	12.8	13.9	13.2	-	-
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	-	-	-
FEMALE:										
All Causes of Death	432.6	420.4	411.2	411.5	409.6	409.4	406.6	403.3	-	-
Heart Disease	140.3	135.1	132.5	132.3	129.3	127.3	124.6	121.7	-	-
Malignant Neoplasms	109.2	108.6	109.5	109.9	111.1	111.4	111.4	110.0	-	-
Cerebrovascular Diseases	37.6	35.4	33.2	31.8	31.1	30.0	29.0	28.3	-	-
Chronic Obstructive Pulmonary Diseases	8.9	9.5	9.8	10.9	11.4	12.5	12.8	13.2	-	-
Unintentional Injuries	21.8	20.4	18.9	18.7	18.7	18.6	18.7	18.8	-	-
Motor Vehicle	11.8	11.3	10.1	10.0	10.5	10.5	10.6	11.0	-	-
All Other	10.0	9.1	8.8	8.7	8.2	8.2	8.1	7.8	-	-
Pneumonia and Influenza	9.8	9.2	8.0	8.8	9.1	10.1	10.3	10.0	-	-
Suicide	5.4	5.7	5.4	5.2	5.2	4.9	5.1	4.9	-	-
Diabetes Mellitus	10.0	9.6	9.3	9.8	9.2	9.4	9.3	9.3	-	-
Atherosclerosis	5.0	4.6	4.2	4.1	3.7	3.5	3.3	3.2	-	-
Chronic Liver Disease and Cirrhosis	7.9	7.4	6.7	6.6	6.4	6.1	5.9	5.6	-	-
Homicide and Legal Intervention	4.5	4.3	4.2	3.8	3.9	3.9	4.1	4.1	-	-
Human Immunodeficiency Virus Infection (AIDS)	-	-	-	-	-	-	-	-	-	-

Rates are per 100,000 population. See technical notes for explanation of age adjustment. These figures were calculated by a different method than age-adjusted death rates found in county tables. U.S. data are from the National Center for Health Statistics.

Table 67. Deaths, Crude Death Rates and Percent of Deaths for 72 Selected Causes Colorado Residents, 1988 and 1989

CAUSE OF DEATH/ICD9 CODE		1988			1989		
		NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
All Causes		21,312	645.8	100.0	21,056	634.8	100.0
Shigellosis and Amebiasis	004,006	0	0.0	0.0	0	0.0	0.0
Certain Other Intestinal Infections	007-009	5	0.2	0.0	4	0.1	0.0
Tuberculosis	010-018	13	0.4	0.1	15	0.5	0.1
Of Respiratory System	010-012	9	0.3	0.0	11	0.3	0.1
Other Tuberculosis	013-018	4	0.1	0.0	4	0.1	0.0
Whooping Cough	033	0	0.0	0.0	0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	1	0.0	0.0	0	0.0	0.0
Meningococcal Infection	036	2	0.1	0.0	1	0.0	0.0
Septicemia	038	196	5.9	0.9	181	5.5	0.9
Human Immunodeficiency Virus Infection	042-044	168	5.1	0.8	220	6.6	1.0
Acute Poliomyelitis	045	0	0.0	0.0	0	0.0	0.0
Measles	055	0	0.0	0.0	0	0.0	0.0
Viral Hepatitis	070	20	0.6	0.1	18	0.5	0.1
Syphilis	090-097	2	0.1	0.0	1	0.0	0.0
All Other Infectious, Parasitic Diseases	(001-139)	69	2.1	0.3	66	2.0	0.3
Malignant Neoplasms, All Sites	140-208	4,446	134.7	20.9	4,691	141.4	22.3
Of Lip, Oral Cavity, and Pharynx	140-149	68	2.1	0.3	61	1.8	0.3
Of Digestive Organs and Peritoneum	150-159	1,126	34.1	5.3	1,199	36.1	5.7
Of Respiratory and Intrathoracic Organs	160-165	1,070	32.4	5.0	1,174	35.4	5.6
Of Breast	174-175	450	13.6	2.1	428	12.9	2.0
Of Genital Organs	179-187	552	16.7	2.6	589	17.8	2.8
Of Urinary Organs	188-189	199	6.0	0.9	217	6.5	1.0
Other and Unspecified Sites	170-173,190-199	534	16.2	2.5	572	17.2	2.7
Leukemia	204-208	176	5.3	0.8	176	5.3	0.8
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	271	8.2	1.3	275	8.3	1.3
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	42	1.3	0.2	58	1.7	0.3
Diabetes Mellitus	250	371	11.2	1.7	445	13.4	2.1
Nutritional Deficiencies	260-269	50	1.5	0.2	57	1.7	0.3
Anemias	280-285	43	1.3	0.2	35	1.1	0.2
Meningitis	320-322	16	0.5	0.1	13	0.4	0.1
Major Cardiovascular Diseases	390-448	8,517	258.1	40.0	8,105	244.4	38.5
Diseases of Heart	390-398,402,404-429	6,466	195.9	30.3	6,088	183.5	28.9
Rheumatic Fever and Rheumatic Heart Disease	390-398	127	3.8	0.6	108	3.3	0.5
Hypertensive Heart Disease	402	135	4.1	0.6	156	4.7	0.7
Hypertensive Heart and Renal Disease.	404	27	0.8	0.1	19	0.6	0.1
Ischemic Heart Disease	410-414	4,679	141.8	22.0	4,302	129.7	20.4
Acute Myocardial Infarction	410	2,166	65.6	10.2	2,101	63.3	10.0
Other Acute and Subacute Forms of Ischemic Heart Disease	411	30	0.9	0.1	12	0.4	0.1
Angina Pectoris	413	7	0.2	0.0	16	0.5	0.1
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	2,476	75.0	11.6	2,173	65.5	10.3
Other Diseases of Endocardium	424	128	3.9	0.6	154	4.6	0.7
All Other Heart Disease	415-423,425-429	1,370	41.5	6.4	1,349	40.7	6.4
Hypertension with or without Renal Disease	401,403	98	3.0	0.5	91	2.7	0.4
Cerebrovascular Diseases	430-438	1,324	40.1	6.2	1,319	39.8	6.3
Intracerebral and Other Intracranial Hemmorhage	431-432	199	6.0	0.9	198	6.0	0.9
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	147	4.5	0.7	120	3.6	0.6
Cerebral Embolism	434.1	12	0.4	0.1	7	0.2	0.0

CAUSE OF DEATH/ICD9 CODE	1988			1989		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
All Other and Late Effects of Cerebrovascular Diseases.... 430,433,435-438	966	29.3	4.5	994	30.0	4.7
Atherosclerosis 440	357	10.8	1.7	316	9.5	1.5
Other Diseases of Arteries, Arterioles, and Capillaries 441-448	272	8.2	1.3	291	8.8	1.4
Acute Bronchitis and Bronchiolitis 466	6	0.2	0.0	6	0.2	0.0
Pneumonia and Influenza 480-487	984	29.8	4.6	885	26.7	4.2
Pneumonia 480-486	949	28.8	4.5	860	25.9	4.1
Influenza 487	35	1.1	0.2	25	0.8	0.1
Chronic Obstructive Pulmonary Diseases... 490-496	1,293	39.2	6.1	1,318	39.7	6.3
Bronchitis, Chronic and Unspecified.... 490-491	33	1.0	0.2	57	1.7	0.3
Emphysema 492	236	7.2	1.1	237	7.1	1.1
Asthma 493	89	2.7	0.4	83	2.5	0.4
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions 494-496	935	28.3	4.4	941	28.4	4.5
Ulcer of Stomach and Duodenum 531-533	83	2.5	0.4	101	3.0	0.5
Appendicitis 540-543	4	0.1	0.0	12	0.4	0.1
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned 550-553,560	59	1.8	0.3	75	2.3	0.4
Chronic Liver Disease and Cirrhosis 571	275	8.3	1.3	324	9.8	1.5
Cholelithiasis and Other Disorders of Gallbladder 574-575	40	1.2	0.2	35	1.1	0.2
Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	145	4.4	0.7	117	3.5	0.6
Acute Glomerulonephritis, Nephrotic Syndrome 580-581	3	0.1	0.0	7	0.2	0.0
Other Specified Renal Disease 582-583,587	40	1.2	0.2	23	0.7	0.1
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause. 584-596,588-589	102	3.1	0.5	87	2.6	0.4
Infections of Kidney 590	17	0.5	0.1	19	0.6	0.1
Hyperplasia of Prostate 600	8	0.2	0.0	9	0.3	0.0
Complications of Pregnancy, Childbirth, and the Puerperium 630-676	5	0.2	0.0	4	0.1	0.0
Pregnancy with Abortive Outcome 630-638	2	0.1	0.0	2	0.1	0.0
Other Complications of Pregnancy 640-676	3	0.1	0.0	2	0.1	0.0
Congenital Anomalies 740-759	184	5.6	0.9	160	4.8	0.8
Certain Conditions Originating in Perinatal Period 760-779	198	6.0	0.9	178	5.4	0.8
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome 767-769	39	1.2	0.2	36	1.1	0.2
Other Perinatal Conditions 760-766,770-779	159	4.8	0.7	142	4.3	0.7
Symptoms, Signs, Ill-Defined Conditions.. 780-799	215	6.5	1.0	185	5.6	0.9
Accidents and Adverse Effects E800-E949	1,125	34.1	5.3	1,087	32.8	5.2
Motor Vehicle Accidents E810-E825	559	16.9	2.6	558	16.8	2.7
All Other Accidents and Adverse Effects E800-E807,E826-E949	566	17.2	2.7	529	15.9	2.5
Suicide E950-E959	598	18.1	2.8	546	16.5	2.6
Homicide and Legal Intervention E960-E978	190	5.8	0.9	158	4.8	0.8
All Other External Causes E980-E999	69	2.1	0.3	54	1.6	0.3

This table presents a modified listing of standard 72 causes of death, with HIV infection deaths shown separately. Rates are per 100,000 population. Rates based on few cases must be viewed with caution.

Table 68. Deaths, Crude Death Rates and Percent of Deaths for 72 Selected Causes United States, 1988-89

CAUSE OF DEATH/ICD9 CODE		1988			1989		
		NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
All Causes		2,167,999	882.0	100.0	2,155,000	868.1	100.0
Shigellosis and Amebiasis	004,006	15	0.0	0.0	10	0.0	0.0
Certain Other Intestinal Infections	007-009	305	0.1	0.0	450	0.2	0.0
Tuberculosis	010-018	1,921	0.8	0.1	1,750	0.7	0.1
Of Respiratory System	010-012	1,488	0.6	0.1	1,370	0.6	0.1
Other Tuberculosis	013-018	433	0.2	0.0	380	0.2	0.0
Whooping Cough	033	4	0.0	0.0	40	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	13	0.0	0.0	-	0.0	0.0
Meningococcal Infection	036	278	0.1	0.0	380	0.2	0.0
Septicemia	038	20,925	8.5	1.0	19,080	7.7	0.9
Human Immunodeficiency Virus Infection	042-044	16,602	6.8	0.8	21,360	8.6	1.0
Acute Poliomyelitis	045	0	0.0	0.0	-	0.0	0.0
Measles	055	0	0.0	0.0	30	0.0	0.0
Viral Hepatitis	070	1,290	0.5	0.1	1,380	0.6	0.1
Syphilis	090-097	85	0.0	0.0	110	0.0	0.0
All Other Infectious, Parasitic Diseases	(001-139)	6,651	*	0.3	7,150	*	0.3
Malignant Neoplasms, All Sites	140-208	485,048	197.3	22.4	497,220	200.3	23.1
Of Lip, Oral Cavity, and Pharynx	140-149	8,199	3.3	0.4	8,100	3.3	0.4
Of Digestive Organs and Peritoneum	150-159	117,416	47.8	5.4	119,240	48.0	5.5
Of Respiratory and Intrathoracic Organs	160-165	138,253	56.2	6.4	141,590	57.0	6.6
Of Breast	174-175	42,461	17.3	2.0	43,700	17.6	2.0
Of Genital Organs	179-187	53,353	21.7	2.5	53,570	21.6	2.5
Of Urinary Organs	188-189	19,474	7.9	0.9	20,130	8.1	0.9
Other and Unspecified Sites	170-173,190-199	61,130	24.9	2.8	62,590	25.2	2.9
Leukemia	204-208	17,577	7.2	0.8	18,850	7.6	0.9
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	27,185	11.1	1.3	29,450	11.9	1.4
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	6,735	2.7	0.3	7,100	2.9	0.3
Diabetes Mellitus	250	40,368	16.4	1.9	46,560	18.8	2.2
Nutritional Deficiencies	260-269	2,985	1.2	0.1	3,080	1.2	0.1
Anemias	280-285	3,816	1.6	0.2	3,930	1.6	0.2
Meningitis	320-322	1,156	0.5	0.1	1,040	0.4	0.0
Major Cardiovascular Diseases	390-448	969,400	394.4	44.7	934,300	376.4	43.4
Diseases of Heart	390-398,402,404-429	765,156	311.3	35.3	735,450	296.3	34.1
Rheumatic Fever and Rheumatic Heart Disease	390-398	6,421	2.6	0.3	6,000	2.4	0.3
Hypertensive Heart Disease	402	20,788	8.5	1.0	21,050	8.5	1.0
Hypertensive Heart and Renal Disease	404	2,450	1.0	0.1	2,130	0.9	0.1
Ischemic Heart Disease	410-414	509,592	207.3	23.5	497,850	200.6	23.1
Acute Myocardial Infarction	410	247,950	100.9	11.4	247,020	99.5	11.5
Other Acute and Subacute Forms of Ischemic Heart Disease	411	3,408	1.4	0.2	3,320	1.3	0.2
Angina Pectoris	413	1,021	0.4	0.0	910	0.4	0.0
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	257,213	104.6	11.9	246,600	99.3	11.4
Other Diseases of Endocardium	424	11,731	4.8	0.5	11,790	4.7	0.5
All Other Heart Disease	415-423,425-429	214,174	87.1	9.9	196,640	79.2	9.1
Hypertension with or without Renal Disease	401,403	8,456	3.4	0.4	8,450	3.4	0.4
Cerebrovascular Diseases	430-438	150,517	61.2	6.9	147,470	59.4	6.8
Intracerebral and Other Intracranial Hemmorhage	431-432	21,242	8.6	1.0	21,100	8.5	1.0
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	21,265	8.7	1.0	19,860	8.0	0.9
Cerebral Embolism	434.1	741	0.3	0.0	700	0.3	0.0

	1988			1989		
CAUSE OF DEATH/ICD9 CODE	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
All Other and Late Effects of Cerebrovascular Diseases.... 430,433,435-438	107,269	43.6	4.9	105,800	42.6	4.9
Atherosclerosis........................ 440	22,086	9.0	1.0	19,120	7.7	0.9
Other Diseases of Arteries, Arterioles, and Capillaries........... 441-448	23,185	9.4	1.1	23,820	9.6	1.1
Acute Bronchitis and Bronchiolitis....... 466	635	0.3	0.0	500	0.2	0.0
Pneumonia and Influenza................. 480-487	77,662	31.6	3.6	75,240	30.3	3.5
Pneumonia.............................. 480-486	75,719	30.8	3.5	73,880	29.8	3.4
Influenza.............................. 487	1,943	0.8	0.1	1,370	0.6	0.1
Chronic Obstructive Pulmonary Diseases... 490-496	82,853	33.7	3.8	84,350	34.0	3.9
Bronchitis, Chronic and Unspecified.... 490-491	3,720	1.5	0.2	3,720	1.5	0.2
Emphysema.............................. 492	15,513	6.3	0.7	15,520	6.3	0.7
Asthma................................. 493	4,597	1.9	0.2	5,150	2.1	0.2
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions........ 494-496	59,023	24.0	2.7	59,960	24.2	2.8
Ulcer of Stomach and Duodenum............ 531-533	6,435	2.6	0.3	6,590	2.7	0.3
Appendicitis............................. 540-543	473	0.2	0.0	420	0.2	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned 550-553,560	5,599	2.3	0.3	5,350	2.2	0.2
Chronic Liver Disease and Cirrhosis...... 571	26,409	10.7	1.2	26,380	10.6	1.2
Cholelithiasis and Other Disorders of Gallbladder............................. 574-575	3,115	1.3	0.1	2,960	1.2	0.1
Nephritis, Nephrotic Syndrome, and Nephrosis................................ 580-589	22,392	9.1	1.0	21,230	8.6	1.0
Acute Glomerulonephritis, Nephrotic Syndrome.............................. 580-581	310	0.1	0.0	260	0.1	0.0
Other Specified Renal Disease...... 582-583,587	1,521	0.6	0.1	1,500	0.6	0.1
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause. 584-596,588-589	20,561	8.4	0.9	19,470	7.8	0.9
Infections of Kidney..................... 590	1,610	0.7	0.1	1,250	0.5	0.1
Hyperplasia of Prostate.................. 600	454	0.2	0.0	410	0.2	0.0
Complications of Pregnancy, Childbirth, and the Puerperium...................... 630-676	330	0.1	0.0	260	0.1	0.0
Pregnancy with Abortive Outcome........ 630-638	61	0.0	0.0	30	0.0	0.0
Other Complications of Pregnancy....... 640-676	269	0.1	0.0	230	0.1	0.0
Congenital Anomalies..................... 740-759	12,753	5.2	0.6	12,680	5.1	0.6
Certain Conditions Originating in			0.0			
Perinatal Period........................ 760-779	18,220	7.4	0.8	18,540	7.5	0.9
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome.............................. 767-769	4,222	1.7	0.2	4,470	1.8	0.2
Other Perinatal Conditions..... 760-766,770-779	13,998	5.7	0.6	14,080	5.7	0.7
Symptoms, Signs, Ill-Defined Conditions.. 780-799	30,951	12.6	1.4	29,830	12.0	1.4
Accidents and Adverse Effects.......... E800-E949	97,100	39.5	4.5	94,780	38.2	4.4
Motor Vehicle Accidents.............. E810-E825	49,078	20.0	2.3	48,800	19.7	2.3
All Other Accidents and Adverse Effects.................... E800-E807,E826-E949	48,022	19.5	2.2	45,980	18.5	2.1
Suicide................................ E950-E959	30,407	12.4	1.4	31,210	12.6	1.4
Homicide and Legal Intervention........ E960-E978	22,032	9.0	1.0	23,020	9.3	1.1
All Other External Causes.............. E980-E999	3,033	1.2	0.1	2,580	1.0	0.1

This table present a modified listing of standard 72 causes of death, with HIV infection deaths shown separately. Rates are per 100,000 population. U.S. data are from the National Center for Health Statistics and are provisional for 1989.

Table 69. Total Deaths from 72 Selected Causes by Age : Colorado Residents, 1989

CAUSE OF DEATH/ICD9 CODE	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	21,056	459	77	112	400	696	918	1,142	2,394	4,476	5,629	4,753
Shigellosis and Amebiasis................ 004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections...... 007-009	4	0	0	0	0	0	0	0	2	0	1	1
Tuberculosis............................ 010-018	15	0	0	0	0	0	1	0	2	5	1	6
Of Respiratory System 010-012	11	0	0	0	0	0	1	0	0	3	1	6
Other Tuberculosis..................... 013-018	4	0	0	0	0	0	0	0	2	2	0	0
Whooping Cough.......................... 033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas 034-035	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Infection................. 036	1	0	1	0	0	0	0	0	0	0	0	0
Septicemia.............................. 038	181	3	0	1	1	2	7	12	15	38	54	48
Human Immunodeficiency Virus Infection... 042-044	220	2	0	0	4	83	90	30	10	1	0	0
Acute Poliomyelitis..................... 045	0	0	0	0	0	0	0	0	0	0	0	0
Measles................................. 055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis......................... 070	18	0	0	0	0	0	2	1	5	5	3	2
Syphilis................................ 090-097	1	0	0	0	0	0	0	0	0	1	0	0
All Other Infectious, Parasitic Diseases(001-139)	66	7	3	4	0	0	5	6	14	11	8	8
Malignant Neoplasms, All Sites........... 140-208	4,691	0	6	14	20	70	203	353	874	1,404	1,214	533
Of Lip, Oral Cavity, and Pharynx....... 140-149	61	0	0	0	0	0	3	7	8	23	11	9
Of Digestive Organs and Peritoneum..... 150-159	1,199	0	0	0	4	10	29	60	222	362	332	180
Of Respiratory and Intrathoracic Organs 160-165	1,174	0	0	0	1	3	19	94	294	433	266	64
Of Breast.............................. 174-175	428	0	0	0	0	7	40	51	81	99	97	53
Of Genital Organs...................... 179-187	589	0	0	0	2	10	25	28	72	177	188	87
Of Urinary Organs...................... 188-189	217	0	0	0	0	0	12	21	36	49	72	27
Other and Unspecified Sites.....170-173,190-199	572	0	4	8	10	27	51	58	90	135	131	58
Leukemia............................... 204-208	176	0	2	5	2	9	8	12	24	54	34	26
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues 200-203	275	0	0	1	1	4	16	22	47	72	83	29
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature.................. 210-239	58	0	0	0	2	3	2	4	9	14	14	10
Diabetes Mellitus....................... 250	445	0	0	0	1	6	13	32	56	125	149	63
Nutritional Deficiencies................ 260-269	57	0	0	0	0	0	0	0	0	3	11	43
Anemias................................. 280-285	35	1	0	0	0	0	2	0	1	8	9	14
Meningitis.............................. 320-322	13	4	0	2	0	1	1	0	1	1	2	1
Major Cardiovascular Diseases........... 390-448	8,105	14	5	4	13	42	115	305	805	1,655	2,568	2,579
Diseases of Heart.......... 390-398,402,404-429	6,088	9	4	3	10	33	85	256	671	1,330	1,886	1,801
Rheumatic Fever and Rheumatic Heart Disease............................ 390-398	108	0	0	1	2	3	3	4	17	26	35	17
Hypertensive Heart Disease........... 402	156	0	0	0	0	0	0	7	11	35	49	54
Hypertensive Heart and Renal Disease. 404	19	0	0	0	0	0	0	0	2	1	6	10
Ischemic Heart Disease............... 410-414	4,302	0	0	0	2	5	55	192	505	984	1,331	1,228
Acute Myocardial Infarction........ 410	2,101	0	0	0	1	2	37	124	319	536	638	444
Other Acute and Subacute Forms of Ischemic Heart Disease............ 411	12	0	0	0	0	0	0	0	2	3	3	4
Angina Pectoris.................... 413	16	0	0	0	0	0	1	1	0	3	6	5
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease......................... 412,414	2,1[illegible]3	0	0	0	1	3	17	67	184	442	684	775
Other Diseases of Endocardium........ 424	154	1	1	0	0	4	2	3	16	28	58	41
All Other Heart Disease...... 415-423,425-429	1,349	8	3	2	6	21	25	50	120	256	407	451
Hypertension with or without Renal Disease................................ 401,403	91	1	0	0	0	0	0	4	5	17	30	34
Cerebrovascular Diseases.............. 430-438	1,319	1	1	1	2	8	25	41	95	194	449	502
Intracerebral and Other Intracranial Hemmorhage.......................... 431-432	198	1	0	1	0	3	7	18	28	48	61	31
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries.. 434.0,434.9	120	0	0	0	0	1	4	1	9	16	53	36
Cerebral Embolism.................... 434.1	7	0	0	0	0	0	0	0	1	1	2	3

CAUSE OF DEATH/ICD9 CODE	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases.... 430,433,435-438	994	0	1	0	2	4	14	22	57	129	333	432
Atherosclerosis................. 440	316	0	0	0	0	0	0	1	7	26	92	190
Other Diseases of Arteries, Arterioles, and Capillaries........... 441-448	291	3	0	0	1	1	5	3	27	88	111	52
Acute Bronchitis and Bronchiolitis....... 466	6	0	0	0	0	0	0	0	1	2	1	2
Pneumonia and Influenza.................. 480-487	885	4	5	4	3	7	13	11	30	104	269	435
Pneumonia.............................. 480-486	860	4	4	4	3	6	12	11	29	102	260	425
Influenza.............................. 487	25	0	1	0	0	1	1	0	1	2	9	10
Chronic Obstructive Pulmonary Diseases... 490-496	1,318	0	0	0	1	4	14	35	167	448	467	182
Bronchitis, Chronic and Unspecified.... 490-491	57	0	0	0	1	0	1	1	8	6	23	17
Emphysema.............................. 492	237	0	0	0	0	0	1	7	40	97	76	16
Asthma................................. 493	83	0	0	0	0	3	10	6	9	31	16	8
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions........ 494-496	941	0	0	0	0	1	2	21	110	314	352	141
Ulcer of Stomach and Duodenum............ 531-533	101	0	0	0	0	0	2	4	14	15	37	29
Appendicitis............................. 540-543	12	0	0	0	0	0	0	3	2	3	3	1
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned 550-553,560	75	1	0	0	0	0	0	0	4	12	31	27
Chronic Liver Disease and Cirrhosis...... 571	324	0	0	0	0	11	45	57	89	80	28	14
Cholelithiasis and Other Disorders of Gallbladder............................ 574-575	35	0	0	0	0	1	0	2	0	4	7	21
Nephritis, Nephrotic Syndrome, and Nephrosis............................... 580-589	117	1	0	0	1	3	0	5	7	20	40	40
Acute Glomerulonephritis, Nephrotic Syndrome............................ 580-581	7	0	0	0	0	1	0	1	1	0	3	1
Other Specified Renal Disease...... 582-583,587	23	0	0	0	1	1	0	1	2	4	8	6
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause. 584-596,588-589	87	1	0	0	0	1	0	3	4	16	29	33
Infections of Kidney..................... 590	19	0	0	0	0	1	0	0	2	2	3	11
Hyperplasia of Prostate.................. 600	9	0	0	0	0	0	0	0	0	1	3	5
Complications of Pregnancy, Childbirth, and the Puerperium...................... 630-676	4	0	0	0	1	2	1	0	0	0	0	0
Pregnancy with Abortive Outcome........ 630-638	2	0	0	0	1	1	0	0	0	0	0	0
Other Complications of Pregnancy....... 640-676	2	0	0	0	0	1	1	0	0	0	0	0
Congenital Anomalies..................... 740-759	160	106	10	5	4	7	0	6	2	7	8	5
Certain Conditions Originating in Perinatal Period........................ 760-769	178	178	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome.............................. 767-769	36	36	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions..... 760-766,770-779	142	142	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions.. 780-799	185	99	1	0	4	6	8	5	7	10	17	28
Accidents and Adverse Effects.......... E800-E949	1,087	8	35	44	186	193	168	88	71	98	100	96
Motor Vehicle Accidents.............. E810-E825	558	6	13	27	143	121	90	43	37	42	25	11
All Other Accidents and Adverse Effects.................... E800-E807,E826-E949	529	2	22	17	43	72	78	45	34	56	75	85
Suicide................................ E950-E959	546	0	0	5	94	144	121	58	41	40	28	15
Homicide and Legal Intervention........ E960-E978	158	8	2	3	32	50	28	18	2	11	4	0
All Other External Causes.............. E980-E999	54	1	2	2	9	11	13	3	5	6	2	0

Table 70. Death Rates for 72 Selected Causes by Age: Colorado Residents, 1989

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	634.8	811.9	35.2	23.2	84.1	114.7	163.1	343.0	939.0	2,322.6	5,643.8	14,153.4
Shigellosis and Amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.0	3.0
Tuberculosis	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.8	2.6	1.0	17.9
Of Respiratory System	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.6	1.0	17.9
Other Tuberculosis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.0	0.0
Whooping Cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal Infection	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia	5.5	5.3	0.0	0.2	0.2	0.3	1.2	3.6	5.9	19.7	54.1	142.9
Human Immunodeficiency Virus Infection	6.6	3.5	0.0	0.0	0.8	13.7	16.0	9.0	3.9	0.5	0.0	0.0
Acute Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.3	2.0	2.6	3.0	6.0
Syphilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
All Other Infectious, Parasitic Diseases	2.0	12.4	1.4	0.8	0.0	0.0	0.9	1.8	5.5	5.7	8.0	23.8
Malignant Neoplasms, All Sites	141.4	0.0	2.7	2.9	4.2	11.5	36.1	106.0	342.8	728.5	1,217.2	1,587.2
Of Lip, Oral Cavity, and Pharynx	1.8	0.0	0.0	0.0	0.0	0.0	0.5	2.1	3.1	11.9	11.0	26.8
Of Digestive Organs and Peritoneum	36.1	0.0	0.0	0.0	0.8	1.6	5.2	18.0	87.1	187.8	332.9	536.0
Of Respiratory and Intrathoracic Organs	35.4	0.0	0.0	0.0	0.2	0.5	3.4	28.2	115.3	224.7	266.7	190.6
Of Breast	12.9	0.0	0.0	0.0	0.0	1.2	7.1	15.3	31.8	51.4	97.3	157.8
Of Genital Organs	17.8	0.0	0.0	0.0	0.4	1.6	4.4	8.4	28.2	91.8	188.5	259.1
Of Urinary Organs	6.5	0.0	0.0	0.0	0.0	0.0	2.1	6.3	14.1	25.4	72.2	80.4
Other and Unspecified Sites	17.2	0.0	1.8	1.7	2.1	4.5	9.1	17.4	35.3	70.1	131.3	172.7
Leukemia	5.3	0.0	0.9	1.0	0.4	1.5	1.4	3.6	9.4	28.0	34.1	77.4
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	8.3	0.0	0.0	0.2	0.2	0.7	2.8	6.6	18.4	37.4	83.2	86.4
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	1.7	0.0	0.0	0.0	0.4	0.5	0.4	1.2	3.5	7.3	14.0	29.8
Diabetes Mellitus	13.4	0.0	0.0	0.0	0.2	1.0	2.3	9.6	22.0	64.9	149.4	187.6
Nutritional Deficiencies	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	11.0	128.0
Anemias	1.1	1.8	0.0	0.0	0.0	0.0	0.4	0.0	0.4	4.2	9.0	41.7
Meningitis	0.4	7.1	0.0	0.4	0.0	0.2	0.2	0.0	0.4	0.5	2.0	3.0
Major Cardiovascular Diseases	244.4	24.8	2.3	0.8	2.7	6.9	20.4	91.6	315.7	858.8	2,574.7	7,679.7
Diseases of Heart	183.5	15.9	1.8	0.6	2.1	5.4	15.1	76.9	263.2	690.1	1,891.0	5,363.0
Rheumatic Fever and Rheumatic Heart Disease	3.3	0.0	0.0	0.2	0.4	0.5	0.5	1.2	6.7	13.5	35.1	50.6
Hypertensive Heart Disease	4.7	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.3	18.2	49.1	160.8
Hypertensive Heart and Renal Disease.	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	6.0	29.8
Ischemic Heart Disease	129.7	0.0	0.0	0.0	0.4	0.8	9.8	57.7	198.1	510.6	1,334.5	3,656.7
Acute Myocardial Infarction	63.3	0.0	0.0	0.0	0.2	0.3	6.6	37.2	125.1	278.1	639.7	1,322.1
Other Acute and Subacute Forms of Ischemic Heart Disease	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.0	11.9
Angina Pectoris	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	1.6	6.0	14.9
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	65.5	0.0	0.0	0.0	0.2	0.5	3.0	20.1	72.2	229.3	685.8	2,307.8
Other Diseases of Endocardium	4.6	1.8	0.5	0.0	0.0	0.7	0.4	0.9	6.3	14.5	58.2	122.1
All Other Heart Disease	40.7	14.2	1.4	0.4	1.3	3.5	4.4	15.0	47.1	132.8	408.1	1,343.0
Hypertension with or without Renal Disease	2.7	1.8	0.0	0.0	0.0	0.0	0.0	1.2	2.0	8.8	30.1	101.2
Cerebrovascular Diseases	39.8	1.8	0.5	0.2	0.4	1.3	4.4	12.3	37.3	100.7	450.2	1,494.8
Intracerebral and Other Intracranial Hemmorhage	6.0	1.8	0.0	0.2	0.0	0.5	1.2	5.4	11.0	24.9	61.2	92.3
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	3.6	0.0	0.0	0.0	0.0	0.2	0.7	0.3	3.5	8.3	53.1	107.2
Cerebral Embolism	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	2.0	8.9

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	30.0	0.0	0.5	0.0	0.4	0.7	2.5	6.6	22.4	66.9	333.9	1,286.4
Atherosclerosis	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.7	13.5	92.2	565.8
Other Diseases of Arteries, Arterioles, and Capillaries	8.8	5.3	0.0	0.0	0.2	0.2	0.9	0.9	10.6	45.7	111.3	154.8
Acute Bronchitis and Bronchiolitis	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0	6.0
Pneumonia and Influenza	26.7	7.1	2.3	0.8	0.6	1.2	2.3	3.3	11.8	54.0	269.7	1,295.3
Pneumonia	25.9	7.1	1.8	0.8	0.6	1.0	2.1	3.3	11.4	52.9	260.7	1,265.6
Influenza	0.8	0.0	0.5	0.0	0.0	0.2	0.2	0.0	0.4	1.0	9.0	29.8
Chronic Obstructive Pulmonary Diseases	39.7	0.0	0.0	0.0	0.2	0.7	2.5	10.5	65.5	232.5	468.2	542.0
Bronchitis, Chronic and Unspecified	1.7	0.0	0.0	0.0	0.2	0.0	0.2	0.3	3.1	3.1	23.1	50.6
Emphysema	7.1	0.0	0.0	0.0	0.0	0.0	0.2	2.1	15.7	50.3	76.2	47.6
Asthma	2.5	0.0	0.0	0.0	0.0	0.5	1.8	1.8	3.5	16.1	16.0	23.8
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	28.4	0.0	0.0	0.0	0.0	0.2	0.4	6.3	43.1	162.9	352.9	419.9
Ulcer of Stomach and Duodenum	3.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	5.5	7.8	37.1	86.4
Appendicitis	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	1.6	3.0	3.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	2.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.2	31.1	80.4
Chronic Liver Disease and Cirrhosis	9.8	0.0	0.0	0.0	0.0	1.8	8.0	17.1	34.9	41.5	28.1	41.7
Cholelithiasis and Other Disorders of Gallbladder	1.1	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	2.1	7.0	62.5
Nephritis, Nephrotic Syndrome, and Nephrosis	3.5	1.8	0.0	0.0	0.2	0.5	0.0	1.5	2.7	10.4	40.1	119.1
Acute Glomerulonephritis, Nephrotic Syndrome	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.4	0.0	3.0	3.0
Other Specified Renal Disease	0.7	0.0	0.0	0.0	0.2	0.2	0.0	0.3	0.8	2.1	8.0	17.9
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	2.6	1.8	0.0	0.0	0.0	0.2	0.0	0.9	1.6	8.3	29.1	98.3
Infections of Kidney	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	1.0	3.0	32.8
Hyperplasia of Prostate	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.0	14.9
Complications of Pregnancy, Childbirth, and the Puerperium	0.1	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	4.8	187.5	4.6	1.0	0.8	1.2	0.0	1.8	0.8	3.6	8.0	14.9
Certain Conditions Originating in Perinatal Period	5.4	314.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	1.1	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	4.3	251.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	5.6	175.1	0.5	0.0	0.8	1.0	1.4	1.5	2.7	5.2	17.0	83.4
Accidents and Adverse Effects	32.8	14.2	16.0	9.1	39.1	31.8	29.9	26.4	27.8	50.9	100.3	285.9
Motor Vehicle Accidents	16.8	10.6	5.9	5.6	30.1	19.9	16.0	12.9	14.5	21.8	25.1	32.8
All Other Accidents and Adverse Effects	15.9	3.5	10.1	3.5	9.0	11.9	13.9	13.5	13.3	29.1	75.2	253.1
Suicide	16.5	0.0	0.0	1.0	19.8	23.7	21.5	17.4	16.1	20.8	28.1	44.7
Homicide and Legal Intervention	4.8	14.2	0.9	0.6	6.7	8.2	5.0	5.4	0.8	5.7	4.0	0.0
All Other External Causes	1.6	1.8	0.9	0.4	1.9	1.8	2.3	0.9	2.0	3.1	2.0	0.0

Rates are deaths per 100,000 population in each age group. Rates based on few cases must be viewed with caution.

Table 71. Male Deaths from 72 Selected Causes by Age: Colorado Residents, 1989

CAUSE OF DEATH/ICD9 CODE		TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes		11,043	279	43	72	278	488	607	739	1,470	2,679	2,786	1,602
Shigellosis and Amebiasis................	004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections......	007-009	3	0	0	0	0	0	0	0	2	0	0	1
Tuberculosis.............................	010-018	10	0	0	0	0	0	0	0	1	3	0	6
Of Respiratory System	010-012	8	0	0	0	0	0	0	0	0	2	0	6
Other Tuberculosis.....................	013-018	2	0	0	0	0	0	0	0	1	1	0	0
Whooping Cough...........................	033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Infection..................	036	1	0	1	0	0	0	0	0	0	0	0	0
Septicemia...............................	038	89	2	0	0	1	1	5	7	6	21	26	20
Human Immunodeficiency Virus Infection...	042-044	215	1	0	0	4	83	87	29	10	1	0	0
Acute Poliomyelitis......................	045	0	0	0	0	0	0	0	0	0	0	0	0
Measles..................................	055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis..........................	070	8	0	0	0	0	0	2	0	3	2	1	0
Syphilis.................................	090-097	0	0	0	0	0	0	0	0	0	0	0	0
All Other Infectious, Parasitic Diseases	(001-139)	38	5	1	2	0	0	3	3	7	8	7	2
Malignant Neoplasms, All Sites...........	140-208	2,469	0	4	9	14	36	84	172	473	801	656	220
Of Lip, Oral Cavity, and Pharynx.......	140-149	42	0	0	0	0	0	2	6	5	17	7	5
Of Digestive Organs and Peritoneum.....	150-159	651	0	0	0	4	7	17	37	146	207	171	62
Of Respiratory and Intrathoracic Organs	160-165	738	0	0	0	1	2	13	51	180	284	173	34
Of Breast..............................	174-175	3	0	0	0	0	0	0	0	0	0	1	2
Of Genital Organs......................	179-187	349	0	0	0	1	2	5	5	25	110	136	65
Of Urinary Organs......................	188-189	126	0	0	0	0	0	6	16	23	32	35	14
Other and Unspecified Sites.....	170-173,190-199	311	0	3	6	7	20	31	35	50	73	69	17
Leukemia...............................	204-208	103	0	1	2	1	4	3	8	13	40	22	9
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	146	0	0	1	0	1	7	14	31	38	42	12
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature..................	210-239	24	0	0	0	2	0	0	1	3	7	6	5
Diabetes Mellitus........................	250	196	0	0	0	1	2	9	16	33	62	55	18
Nutritional Deficiencies.................	260-269	17	0	0	0	0	0	0	0	0	1	3	13
Anemias..................................	280-285	15	1	0	0	0	0	2	0	1	3	4	4
Meningitis...............................	320-322	4	1	0	0	0	1	0	0	1	1	0	0
Major Cardiovascular Diseases............	390-448	3,988	13	1	3	8	27	84	237	564	1,049	1,207	795
Diseases of Heart..........	390-398,402,404-429	3,161	8	1	2	7	22	68	208	487	877	914	567
Rheumatic Fever and Rheumatic Heart						0							
Disease............................	390-398	38	0	0	1	1	1	1	2	6	12	11	3
Hypertensive Heart Disease...........	402	51	0	0	0	0	0	0	5	6	20	13	7
Hypertensive Heart and Renal Disease.	404	6	0	0	0	0	0	0	0	1	1	3	1
Ischemic Heart Disease...............	410-414	2,373	0	0	0	2	4	48	170	377	667	687	418
Acute Myocardial Infarction........	410	1,241	0	0	0	1	2	33	111	231	374	333	156
Other Acute and Subacute Forms of Ischemic Heart Disease............	411	8	0	0	0	0	0	0	0	2	2		2
Angina Pectoris....................	413	8	0	0	0	0	0	1	1	0	3		1
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease..........................	412,414	1,116	0	0	0	1	2	14	58	144	288	350	259
Other Diseases of Endocardium........	424	70	0	0	0	0	2	2	3	11	13	22	17
All Other Heart Disease......	415-423,425-429	623	8	1	1	4	15	17	28	86	164	178	121
Hypertension with or without Renal Disease..............................	401,403	36	1	0	0	0	0	0	2	5	8	14	6
Cerebrovascular Diseases...............	430-438	521	1	0	1	0	4	12	24	49	95	184	151
Intracerebral and Other Intracranial Hemmorhage..........................	431-432	78	1	0	1	0	1	3	10	13	16	19	14
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries..	434.0,434.9	50	0	0	0	0	0	2	1	3	11	23	10
Cerebral Embolism....................	434.1 -	3	0	0	0	0	0	0	0	0	0	2	1

CAUSE OF DEATH/ICD9 CODE	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases.... 430,433,435-438	390	0	0	0	0	3	7	13	33	68	140	126
Atherosclerosis........................ 440	113	0	0	0	0	0	0	1	6	15	36	55
Other Diseases of Arteries, Arterioles, and Capillaries........... 441-448	157	3	0	0	1	1	4	2	17	54	59	16
Acute Bronchitis and Bronchiolitis....... 466	5	0	0	0	0	0	0	0	1	2	1	1
Pneumonia and Influenza.................. 480-487	382	3	3	4	1	2	10	5	17	60	128	149
Pneumonia............................. 480-486	375	3	3	4	1	2	9	5	17	58	126	147
Influenza............................. 487	7	0	0	0	0	0	1	0	0	2	2	2
Chronic Obstructive Pulmonary Diseases... 490-496	754	0	0	0	0	1	5	19	93	259	275	102
Bronchitis, Chronic and Unspecified.... 490-491	27	0	0	0	0	0	1	1	3	3	11	8
Emphysema............................. 492	143	0	0	0	0	0	0	4	23	59	46	11
Asthma................................ 493	35	0	0	0	0	0	4	1	6	15	8	1
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions........ 494-496	549	0	0	0	0	1	0	13	61	182	210	82
Ulcer of Stomach and Duodenum............ 531-533	45	0	0	0	0	0	1	2	9	8	16	9
Appendicitis............................. 540-543	6	0	0	0	0	0	0	2	0	1	2	1
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned 550-553,560	25	0	0	0	0	0	0	0	2	4	12	7
Chronic Liver Disease and Cirrhosis...... 571	221	0	0	0	0	7	31	45	58	57	17	6
Cholelithiasis and Other Disorders of Gallbladder............................ 574-575	17	0	0	0	0	0	0	1	0	4	2	10
Nephritis, Nephrotic Syndrome, and Nephrosis.............................. 580-589	52	0	0	0	0	2	0	3	4	7	22	14
Acute Glomerulonephritis, Nephrotic Syndrome............................. 580-581	5	0	0	0	0	1	0	1	1	0	2	0
Other Specified Renal Disease...... 582-583,587	8	0	0	0	0	1	0	0	0	1	4	2
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause. 584-596,588-589	39	0	0	0	0	0	0	2	3	6	16	12
Infections of Kidney..................... 590	4	0	0	0	0	1	0	0	1	0	0	2
Hyperplasia of Prostate.................. 600	9	0	0	0	0	0	0	0	0	1	3	5
Complications of Pregnancy, Childbirth, and the Puerperium...................... 630-676	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with Abortive Outcome........ 630-638	0	0	0	0	0	0	0	0	0	0	0	0
Other Complications of Pregnancy....... 640-676	0	0	0	0	0	0	0	0	0	0	0	0
Congenital Anomalies..................... 740-759	84	55	5	3	2	4	0	4	2	3	5	1
Certain Conditions Originating in Perinatal Period........................ 760-769	107	107	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome............................. 767-769	25	25	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions..... 760-766,770-779	82	82	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions.. 780-799	115	69	1	0	3	3	7	2	4	9	8	9
Accidents and Adverse Effects.......... E800-E949	698	3	20	32	121	135	123	68	45	58	57	36
Motor Vehicle Accidents.............. E810-E825	365	3	5	20	88	83	64	31	22	25	17	7
All Other Accidents and Adverse Effects.................. E800-E807,E826-E949	333	0	15	12	33	52	59	37	23	33	40	29
Suicide................................ E950-E959	448	0	0	3	82	120	94	46	32	35	24	12
Homicide and Legal Intervention........ E960-E978	101	4	1	2	21	29	17	15	2	8	2	0
All Other External Causes.............. E980-E999	33	0	1	1	4	6	7	3	4	5	2	0

Table 72. Male Death Rates for 72 Selected Causes by Age: Colorado Residents, 1989

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	670.2	964.3	38.4	29.1	113.0	159.7	212.3	445.4	1,205.1	3,098.1	7,296.2	16,706.6
Shigellosis and Amebiasis................	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections......	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	10.4
Tuberculosis.............................	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.5	0.0	62.6
Of Respiratory System	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	62.6
Other Tuberculosis.....................	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.0	0.0
Whooping Cough...........................	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal Infection..................	0.1	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia...............................	5.4	6.9	0.0	0.0	0.4	0.3	1.7	4.2	4.9	24.3	68.1	208.6
Human Immunodeficiency Virus Infection...	13.0	3.5	0.0	0.0	1.6	27.2	30.4	17.5	8.2	1.2	0.0	0.0
Acute Poliomyelitis......................	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles..................................	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis..........................	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.5	2.3	2.6	0.0
Syphilis.................................	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Other Infectious, Parasitic Diseases	2.3	17.3	0.9	0.8	0.0	0.0	1.0	1.8	5.7	9.3	18.3	20.9
Malignant Neoplasms, All Sites...........	149.8	0.0	3.6	3.6	5.7	11.8	29.4	103.7	387.8	926.3	1,718.0	2,294.3
Of Lip, Oral Cavity, and Pharynx.......	2.5	0.0	0.0	0.0	0.0	0.0	0.7	3.6	4.1	19.7	18.3	52.1
Of Digestive Organs and Peritoneum.....	39.5	0.0	0.0	0.0	1.6	2.3	5.9	22.3	119.7	239.4	447.8	646.6
Of Respiratory and Intrathoracic Organs	44.8	0.0	0.0	0.0	0.4	0.7	4.5	30.7	147.6	328.4	453.1	354.6
Of Breast..............................	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	20.9
Of Genital Organs......................	21.2	0.0	0.0	0.0	0.4	0.7	1.7	3.0	20.5	127.2	356.2	677.9
Of Urinary Organs......................	7.6	0.0	0.0	0.0	0.0	0.0	2.1	9.6	18.9	37.0	91.7	146.0
Other and Unspecified Sites............	18.9	0.0	2.7	2.4	2.8	6.5	10.8	21.1	41.0	84.4	180.7	177.3
Leukemia...............................	6.3	0.0	0.9	0.8	0.4	1.3	1.0	4.8	10.7	46.3	57.6	93.9
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	8.9	0.0	0.0	0.4	0.0	0.3	2.4	8.4	25.4	43.9	110.0	125.1
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature..................	1.5	0.0	0.0	0.0	0.8	0.0	0.0	0.6	2.5	8.1	15.7	52.1
Diabetes Mellitus........................	11.9	0.0	0.0	0.0	0.4	0.7	3.1	9.6	27.1	71.7	144.0	187.7
Nutritional Deficiencies.................	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.9	135.6
Anemias..................................	0.9	3.5	0.0	0.0	0.0	0.0	0.7	0.0	0.8	3.5	10.5	41.7
Meningitis...............................	0.2	3.5	0.0	0.0	0.0	0.3	0.0	0.0	0.8	1.2	0.0	0.0
Major Cardiovascular Diseases............	242.0	44.9	0.9	1.2	3.3	8.8	29.4	142.8	462.4	1,213.1	3,161.0	8,290.7
Diseases of Heart......................	191.8	27.6	0.9	0.8	2.8	7.2	23.8	125.4	399.2	1,014.2	2,393.7	5,913.0
Rheumatic Fever and Rheumatic Heart Disease............................	2.3	0.0	0.0	0.4	0.4	0.3	0.3	1.2	4.9	13.9	28.8	31.3
Hypertensive Heart Disease...........	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.9	23.1	34.0	73.0
Hypertensive Heart and Renal Disease.	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.2	7.9	10.4
Ischemic Heart Disease...............	144.0	0.0	0.0	0.0	0.8	1.3	16.8	102.4	309.1	771.3	1,799.2	4,359.2
Acute Myocardial Infarction........	75.3	0.0	0.0	0.0	0.4	0.7	11.5	66.9	189.4	432.5	872.1	1,626.9
Other Acute and Subacute Forms of Ischemic Heart Disease............	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.3	5.2	20.9
Angina Pectoris....................	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	3.5	5.2	10.4
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease...........................	67.7	0.0	0.0	0.0	0.4	0.7	4.9	35.0	118.1	333.1	916.6	2,701.0
Other Diseases of Endocardium........	4.2	0.0	0.0	0.0	0.0	0.7	0.7	1.8	9.0	15.0	57.6	177.3
All Other Heart Disease..............	37.8	27.6	0.9	0.4	1.6	4.9	5.9	16.9	70.5	189.7	466.2	1,261.9
Hypertension with or without Renal Disease...............................	2.2	3.5	0.0	0.0	0.0	0.0	0.0	1.2	4.1	9.3	36.7	62.6
Cerebrovascular Diseases...............	31.6	3.5	0.0	0.4	0.0	1.3	4.2	14.5	40.2	109.9	481.9	1,574.7
Intracerebral and Other Intracranial Hemmorhage..........................	4.7	3.5	0.0	0.4	0.0	0.3	1.0	6.0	10.7	18.5	49.8	146.0
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries......	3.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	2.5	12.7	60.2	104.3
Cerebral Embolism....................	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10.4

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	23.7	0.0	0.0	0.0	0.0	1.0	2.4	7.8	27.1	78.6	366.6	1,314.0
Atherosclerosis	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.9	17.3	94.3	573.6
Other Diseases of Arteries, Arterioles, and Capillaries	9.5	10.4	0.0	0.0	0.4	0.3	1.4	1.2	13.9	62.4	154.5	166.9
Acute Bronchitis and Bronchiolitis	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	2.6	10.4
Pneumonia and Influenza	23.2	10.4	2.7	1.6	0.4	0.7	3.5	3.0	13.9	69.4	335.2	1,553.9
Pneumonia	22.8	10.4	2.7	1.6	0.4	0.7	3.1	3.0	13.9	67.1	330.0	1,533.0
Influenza	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	2.3	5.2	20.9
Chronic Obstructive Pulmonary Diseases	45.8	0.0	0.0	0.0	0.0	0.3	1.7	11.5	76.2	299.5	720.2	1,063.7
Bronchitis, Chronic and Unspecified	1.6	0.0	0.0	0.0	0.0	0.0	0.3	0.6	2.5	3.5	28.8	83.4
Emphysema	8.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	18.9	68.2	120.5	114.7
Asthma	2.1	0.0	0.0	0.0	0.0	0.0	1.4	0.6	4.9	17.3	21.0	10.4
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	33.3	0.0	0.0	0.0	0.0	0.3	0.0	7.8	50.0	210.5	550.0	855.1
Ulcer of Stomach and Duodenum	2.7	0.0	0.0	0.0	0.0	0.0	0.3	1.2	7.4	9.3	41.9	93.9
Appendicitis	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	5.2	10.4
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.6	31.4	73.0
Chronic Liver Disease and Cirrhosis	13.4	0.0	0.0	0.0	0.0	2.3	10.8	27.1	47.5	65.9	44.5	62.6
Cholelithiasis and Other Disorders of Gallbladder	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	4.6	5.2	104.3
Nephritis, Nephrotic Syndrome, and Nephrosis	3.2	0.0	0.0	0.0	0.0	0.7	0.0	1.8	3.3	8.1	57.6	146.0
Acute Glomerulonephritis, Nephrotic Syndrome	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.8	0.0	5.2	0.0
Other Specified Renal Disease	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.2	10.5	20.9
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	6.9	41.9	125.1
Infections of Kidney	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.8	0.0	0.0	20.9
Hyperplasia of Prostate	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.9	52.1
Complications of Pregnancy, Childbirth, and the Puerperium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	5.1	190.1	4.5	1.2	0.8	1.3	0.0	2.4	1.6	3.5	13.1	10.4
Certain Conditions Originating in Perinatal Period	6.5	369.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	1.5	86.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	5.0	283.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	7.0	238.5	0.9	0.0	1.2	1.0	2.4	1.2	3.3	10.4	21.0	93.9
Accidents and Adverse Effects	42.4	10.4	17.9	12.9	49.2	44.2	43.0	41.0	36.9	67.1	149.3	375.4
Motor Vehicle Accidents	22.2	10.4	4.5	8.1	35.8	27.2	22.4	18.7	18.0	28.9	44.5	73.0
All Other Accidents and Adverse Effects	20.2	0.0	13.4	4.9	13.4	17.0	20.6	22.3	18.9	38.2	104.8	125.1
Suicide	27.2	0.0	0.0	1.2	33.3	39.3	32.9	27.7	26.2	40.5	62.9	0.0
Homicide and Legal Intervention	6.1	13.8	0.9	0.8	8.5	9.5	5.9	9.0	1.6	9.3	5.2	0.0
All Other External Causes	2.0	0.0	0.9	0.4	1.6	2.0	2.4	1.8	3.3	5.8	5.2	0.0

Rates are deaths per 100,000 population in each age group. Rates based on few cases must be viewed with caution.

Table 73. Female Deaths from 72 Selected Causes by Age: Colorado Residents, 1989

CAUSE OF DEATH/ICD9 CODE		TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes		10,013	180	34	40	122	208	311	403	924	1,797	2,843	3,151
Shigellosis and Amebiasis	004,006	0	0	0	0	0	0	0	0	0	0	0	0
Certain Other Intestinal Infections	007-009	1	0	0	0	0	0	0	0	0	0	1	0
Tuberculosis	010-018	5	0	0	0	0	0	1	0	1	2	1	0
Of Respiratory System	010-012	3	0	0	0	0	0	1	0	0	1	1	0
Other Tuberculosis	013-018	2	0	0	0	0	0	0	0	1	1	0	0
Whooping Cough	033	0	0	0	0	0	0	0	0	0	0	0	0
Strep Sore Throat, Scarlatina, Erysipelas	034-035	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Infection	036	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	038	92	1	0	1	0	1	2	5	9	17	28	28
Human Immunodeficiency Virus Infection	042-044	5	1	0	0	0	0	3	1	0	0	0	0
Acute Poliomyelitis	045	0	0	0	0	0	0	0	0	0	0	0	0
Measles	055	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis	070	10	0	0	0	0	0	0	1	2	3	2	2
Syphilis	090-097	1	0	0	0	0	0	0	0	0	1	0	0
All Other Infectious, Parasitic Diseases	(001-139)	28	2	2	2	0	0	2	3	7	3	1	6
Malignant Neoplasms, All Sites	140-208	2,222	0	2	5	6	34	119	181	401	603	558	313
Of Lip, Oral Cavity, and Pharynx	140-149	19	0	0	0	0	0	1	1	3	6	4	4
Of Digestive Organs and Peritoneum	150-159	548	0	0	0	0	3	12	23	76	155	161	118
Of Respiratory and Intrathoracic Organs	160-165	436	0	0	0	0	1	6	43	114	149	93	30
Of Breast	174-175	425	0	0	0	0	7	40	51	81	99	96	51
Of Genital Organs	179-187	240	0	0	0	1	8	20	23	47	67	52	22
Of Urinary Organs	188-189	91	0	0	0	0	0	6	5	13	17	37	13
Other and Unspecified Sites	170-173,190-199	261	0	1	2	3	7	20	23	40	62	62	41
Leukemia	204-208	73	0	1	3	1	5	5	4	11	14	12	17
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	200-203	129	0	0	0	1	3	9	8	16	34	41	17
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	210-239	34	0	0	0	0	3	2	3	6	7	8	5
Diabetes Mellitus	250	249	0	0	0	0	4	4	16	23	63	94	45
Nutritional Deficiencies	260-269	40	0	0	0	0	0	0	0	0	2	8	30
Anemias	280-285	20	0	0	0	0	0	0	0	0	5	5	10
Meningitis	320-322	9	3	0	2	0	0	1	0	0	0	2	1
Major Cardiovascular Diseases	390-448	4,117	1	4	1	5	15	31	68	241	606	1,361	1,784
Diseases of Heart	390-398,402,404-429	2,927	1	3	1	3	11	17	48	184	453	972	1,234
Rheumatic Fever and Rheumatic Heart Disease	390-398	70	0	0	0	1	2	2	2	11	14	24	14
Hypertensive Heart Disease	402	105	0	0	0	0	0	0	2	5	15	36	47
Hypertensive Heart and Renal Disease.	404	13	0	0	0	0	0	0	0	1	0	3	9
Ischemic Heart Disease	410-414	1,929	0	0	0	0	1	7	22	128	317	644	810
Acute Myocardial Infarction	410	860	0	0	0	0	0	4	13	88	162	305	288
Other Acute and Subacute Forms of Ischemic Heart Disease	411	4	0	0	0	0	0	0	0	0	1	1	2
Angina Pectoris	413	8	0	0	0	0	0	0	0	0	0	4	4
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	412,414	1,057	0	0	0	0	1	3	9	40	154	334	516
Other Diseases of Endocardium	424	84	1	1	0	0	2	0	0	5	15	36	24
All Other Heart Disease	415-423,425-429	726	0	2	1	2	6	8	22	34	92	229	330
Hypertension with or without Renal Disease	401,403	55	0	0	0	0	0	0	2	0	9	16	28
Cerebrovascular Diseases	430-438	798	0	1	0	2	4	13	17	46	99	265	351
Intracerebral and Other Intracranial Hemmorhage	431-432	120	0	0	0	0	2	4	8	15	32	42	17
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	434.0,434.9	70	0	0	0	0	1	2	0	6	5	30	26
Cerebral Embolism	434.1	4	0	0	0	0	0	0	0	1	1	0	2

CAUSE OF DEATH/ICD9 CODE		TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases....	430,433,435-438	604	0	1	0	2	1	7	9	24	61	193	306
Atherosclerosis........................	440	203	0	0	0	0	0	0	0	1	11	56	135
Other Diseases of Arteries, Arterioles, and Capillaries...........	441-448	134	0	0	0	0	0	1	1	10	34	52	36
Acute Bronchitis and Bronchiolitis.......	466	1	0	0	0	0	0	0	0	0	0	0	1
Pneumonia and Influenza..................	480-487	503	1	2	0	2	5	3	6	13	44	141	286
Pneumonia............................	480-486	485	1	1	0	2	4	3	6	12	44	134	278
Influenza............................	487	18	0	1	0	0	1	0	0	1	0	7	8
Chronic Obstructive Pulmonary Diseases...	490-496	564	0	0	0	1	3	9	16	74	189	192	80
Bronchitis, Chronic and Unspecified....	490-491	30	0	0	0	1	0	0	0	5	3	12	9
Emphysema............................	492	94	0	0	0	0	0	1	3	17	38	30	5
Asthma...............................	493	48	0	0	0	0	3	6	5	3	16	8	7
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions........	494-496	392	0	0	0	0	0	2	8	49	132	142	59
Ulcer of Stomach and Duodenum............	531-533	56	0	0	0	0	0	1	2	5	7	21	20
Appendicitis.............................	540-543	6	0	0	0	0	0	0	1	2	2	1	0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	550-553,560	50	1	0	0	0	0	0	0	2	8	19	20
Chronic Liver Disease and Cirrhosis......	571	103	0	0	0	0	4	14	12	31	23	11	8
Cholelithiasis and Other Disorders of Gallbladder............................	574-575	18	0	0	0	0	1	0	1	0	0	5	11
Nephritis, Nephrotic Syndrome, and Nephrosis..............................	580-589	65	1	0	0	1	1	0	2	3	13	18	26
Acute Glomerulonephritis, Nephrotic Syndrome............................	580-581	2	0	0	0	0	0	0	0	0	0	1	1
Other Specified Renal Disease......	582-583,587	15	0	0	0	1	0	0	1	2	3	4	4
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause.	584-596,588-589	48	1	0	0	0	1	0	1	1	10	13	21
Infections of Kidney.....................	590	15	0	0	0	0	0	0	0	1	2	3	9
Hyperplasia of Prostate..................	600	0	0	0	0	0	0	0	0	0	0	0	0
Complications of Pregnancy, Childbirth, and the Puerperium.......................	630-676	4	0	0	0	1	2	1	0	0	0	0	0
Pregnancy with Abortive Outcome........	630-638	2	0	0	0	1	1	0	0	0	0	0	0
Other Complications of Pregnancy.......	640-676	2	0	0	0	0	1	1	0	0	0	0	0
Congenital Anomalies.....................	740-759	76	51	5	2	2	3	0	2	0	4	3	4
Certain Conditions Originating in Perinatal Period........................	760-769	71	71	0	0	0	0	0	0	0	0	0	0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome............................	767-769	11	11	0	0	0	0	0	0	0	0	0	0
Other Perinatal Conditions.....	760-766,770-779	60	60	0	0	0	0	0	0	0	0	0	0
Symptoms, Signs, Ill-Defined Conditions..	780-799	70	30	0	0	1	3	1	3	3	1	9	19
Accidents and Adverse Effects..........	E800-E949	389	5	15	12	65	58	45	20	26	40	43	60
Motor Vehicle Accidents..............	E810-E825	193	3	8	7	55	38	26	12	15	17	8	4
All Other Accidents and Adverse Effects...................	E800-E807,E826-E949	196	2	7	5	10	20	19	8	11	23	35	56
Suicide................................	E950-E959	98	0	0	2	12	24	27	12	9	5	4	3
Homicide and Legal Intervention........	E960-E978	57	4	1	1	11	21	11	3	0	3	2	0
All Other External Causes.............	E980-E999	21	1	1	1	5	5	6	0	1	1	0	0

Table 74. Female Death Rates for 72 Selected Causes by Age: Colorado Residents, 1989

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Causes	599.9	652.2	31.8	17.0	53.1	69.1	112.3	241.4	694.8	1,691.5	4,618.9	13,134.1
Shigellosis and Amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain Other Intestinal Infections	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
Tuberculosis	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.8	1.9	1.6	0.0
Of Respiratory System	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.9	1.6	0.0
Other Tuberculosis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.0	0.0
Whooping Cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strep Sore Throat, Scarlatina, Erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal Infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Septicemia	5.5	3.6	0.0	0.4	0.0	0.3	0.7	3.0	6.8	16.0	45.5	116.7
Human Immunodeficiency Virus Infection	0.3	3.6	0.0	0.0	0.0	0.0	1.1	0.6	0.0	0.0	0.0	0.0
Acute Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral Hepatitis	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	2.8	3.2	8.3
Syphilis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
All Other Infectious, Parasitic Diseases	1.7	7.2	1.9	0.9	0.0	0.0	0.7	1.8	5.3	2.8	1.6	25.0
Malignant Neoplasms, All Sites	133.1	0.0	1.9	2.1	2.6	11.3	43.0	108.4	301.5	567.6	906.6	1,304.7
Of Lip, Oral Cavity, and Pharynx	1.1	0.0	0.0	0.0	0.0	0.0	0.4	0.6	2.3	5.6	6.5	16.7
Of Digestive Organs and Peritoneum	32.8	0.0	0.0	0.0	0.0	1.0	4.3	13.8	57.2	145.9	261.6	491.9
Of Respiratory and Intrathoracic Organs	26.1	0.0	0.0	0.0	0.0	0.3	2.2	25.8	85.7	140.2	151.1	125.0
Of Breast	25.5	0.0	0.0	0.0	0.0	2.3	14.4	30.5	60.9	93.2	156.0	212.6
Of Genital Organs	14.4	0.0	0.0	0.0	0.4	2.7	7.2	13.8	35.3	63.1	84.5	91.7
Of Urinary Organs	5.5	0.0	0.0	0.0	0.0	0.0	2.2	3.0	9.8	16.0	60.1	54.2
Other and Unspecified Sites	15.6	0.0	0.9	0.9	1.3	2.3	7.2	13.8	30.1	58.4	100.7	170.9
Leukemia	4.4	0.0	0.9	1.3	0.4	1.7	1.8	2.4	8.3	13.2	19.5	70.9
Other Malignant Neoplasms of Lymphatic, Hematopoietic Tissues	7.7	0.0	0.0	0.0	0.4	1.0	3.3	4.8	12.0	32.0	66.6	70.9
Benign Neoplasms, Carcinoma in Situ, Neoplasms of Uncertain Behavior and of Unspecified Nature	2.0	0.0	0.0	0.0	0.0	1.0	0.7	1.8	4.5	6.6	13.0	20.8
Diabetes Mellitus	14.9	0.0	0.0	0.0	0.0	1.3	1.4	9.6	17.3	59.3	152.7	187.6
Nutritional Deficiencies	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.0	125.0
Anemias	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	8.1	41.7
Meningitis	0.5	10.9	0.0	0.9	0.0	0.0	0.4	0.0	0.0	0.0	3.2	4.2
Major Cardiovascular Diseases	246.7	3.6	3.7	0.4	2.2	5.0	11.2	40.7	181.2	570.4	2,211.2	7,436.1
Diseases of Heart	175.4	3.6	2.8	0.4	1.3	3.7	6.1	28.7	138.4	426.4	1,579.2	5,143.6
Rheumatic Fever and Rheumatic Heart Disease	4.2	0.0	0.0	0.0	0.4	0.7	0.7	1.2	8.3	13.2	39.0	58.4
Hypertensive Heart Disease	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.8	14.1	58.5	195.9
Hypertensive Heart and Renal Disease	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.9	37.5
Ischemic Heart Disease	115.6	0.0	0.0	0.0	0.0	0.3	2.5	13.2	96.3	298.4	1,046.3	3,376.3
Acute Myocardial Infarction	51.5	0.0	0.0	0.0	0.0	0.0	1.4	7.8	66.2	152.5	495.5	1,200.5
Other Acute and Subacute Forms of Ischemic Heart Disease	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	8.3
Angina Pectoris	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	16.7
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	63.3	0.0	0.0	0.0	0.0	0.3	1.1	5.4	30.1	145.0	542.6	2,150.8
Other Diseases of Endocardium	5.0	3.6	0.9	0.0	0.0	0.7	0.0	0.0	3.8	14.1	58.5	100.0
All Other Heart Disease	43.5	0.0	1.9	0.4	0.9	2.0	2.9	13.2	25.6	86.6	372.0	1,375.5
Hypertension with or without Renal Disease	3.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	8.5	26.0	116.7
Cerebrovascular Diseases	47.8	0.0	0.9	0.0	0.9	1.3	4.7	10.2	34.6	93.2	430.5	1,463.0
Intracerebral and Other Intracranial Hemorrhage	7.2	0.0	0.0	0.0	0.0	0.7	1.4	4.8	11.3	30.1	68.2	70.9
Cerebral Thrombosis, Unspecified Occlusion of Cerebral Arteries	4.2	0.0	0.0	0.0	0.0	0.3	0.7	0.0	4.5	4.7	48.7	108.4
Cerebral Embolism	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.0	8.3

CAUSE OF DEATH	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Other and Late Effects of Cerebrovascular Diseases	36.2	0.0	0.9	0.0	0.9	0.3	2.5	5.4	18.0	57.4	313.6	1,275.5
Atherosclerosis	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	10.4	91.0	562.7
Other Diseases of Arteries, Arterioles, and Capillaries	8.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	7.5	32.0	84.5	150.1
Acute Bronchitis and Bronchiolitis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
Pneumonia and Influenza	30.1	3.6	1.9	0.0	0.9	1.7	1.1	3.6	9.8	41.4	229.1	1,192.1
Pneumonia	29.1	3.6	0.9	0.0	0.9	1.3	1.1	3.6	9.0	41.4	217.7	1,158.8
Influenza	1.1	0.0	0.9	0.0	0.0	0.3	0.0	0.0	0.8	0.0	11.4	33.3
Chronic Obstructive Pulmonary Diseases	33.8	0.0	0.0	0.0	0.4	1.0	3.3	9.6	55.6	177.9	311.9	333.5
Bronchitis, Chronic and Unspecified	1.8	0.0	0.0	0.0	0.4	0.0	0.0	0.0	3.8	2.8	19.5	37.5
Emphysema	5.6	0.0	0.0	0.0	0.0	0.0	0.4	1.8	12.8	35.8	48.7	20.8
Asthma	2.9	0.0	0.0	0.0	0.0	1.0	2.2	3.0	2.3	15.1	13.0	29.2
Other Chronic Obstructive Pulmonary Diseases and Allied Conditions	23.5	0.0	0.0	0.0	0.0	0.0	0.7	4.8	36.8	124.2	230.7	245.9
Ulcer of Stomach and Duodenum	3.4	0.0	0.0	0.0	0.0	0.0	0.4	1.2	3.8	6.6	34.1	83.4
Appendicitis	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	1.9	1.6	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction without Hernia Mentioned	3.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.5	30.9	83.4
Chronic Liver Disease and Cirrhosis	6.2	0.0	0.0	0.0	0.0	1.3	5.1	7.2	23.3	21.6	17.9	33.3
Cholelithiasis and Other Disorders of Gallbladder	1.1	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	8.1	45.9
Nephritis, Nephrotic Syndrome, and Nephrosis	3.9	3.6	0.0	0.0	0.4	0.3	0.0	1.2	2.3	12.2	29.2	108.4
Acute Glomerulonephritis, Nephrotic Syndrome	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.2
Other Specified Renal Disease	0.9	0.0	0.0	0.0	0.4	0.0	0.0	0.6	1.5	2.8	6.5	16.7
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	2.9	3.6	0.0	0.0	0.0	0.3	0.0	0.6	0.8	9.4	21.1	87.5
Infections of Kidney	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	4.9	37.5
Hyperplasia of Prostate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium	0.2	0.0	0.0	0.0	0.4	0.7	0.4	0.0	0.0	0.0	0.0	0.0
Pregnancy with Abortive Outcome	0.1	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Other Complications of Pregnancy	0.1	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0
Congenital Anomalies	4.6	184.8	4.7	0.9	0.9	1.0	0.0	1.2	0.0	3.8	4.9	16.7
Certain Conditions Originating in Perinatal Period	4.3	257.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, Respiratory Distress Syndrome	0.7	39.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Perinatal Conditions	3.6	217.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symptoms, Signs, Ill-Defined Conditions	4.2	108.7	0.0	0.0	0.4	1.0	0.4	1.8	2.3	0.9	14.6	79.2
Accidents and Adverse Effects	23.3	18.1	14.0	5.1	28.3	19.3	16.3	12.0	19.6	37.7	69.9	250.1
Motor Vehicle Accidents	11.6	10.9	7.5	3.0	24.0	12.6	9.4	7.2	11.3	16.0	13.0	16.7
All Other Accidents and Adverse Effects	11.7	7.2	6.5	2.1	4.4	6.6	6.9	4.8	8.3	21.6	56.9	233.4
Suicide	5.9	0.0	0.0	0.9	5.2	8.0	9.8	7.2	6.8	4.7	6.5	12.5
Homicide and Legal Intervention	3.4	14.5	0.9	0.4	4.8	7.0	4.0	1.8	0.0	2.8	3.2	0.0
All Other External Causes	1.3	3.6	0.9	0.4	2.2	1.7	2.2	0.0	0.8	0.9	0.0	0.0

Rates are deaths per 100,000 population in each age group. Rates based on few cases must be viewed with caution.

Table 75. Deaths from Selected Causes by Race/Ethnicity: Colorado Residents, 1989

	TOTAL	TOTAL WHITE	WHITE/NON-SPANISH ORIGIN	WHITE/ SPANISH ORIGIN	BLACK	NATIVE AMERICAN	ASIAN	UNKNOWN/ NOT STATED
NUMBER OF DEATHS:								
Total Deaths	21,056	20,115	18,281	1,834	741	72	126	2
Heart Disease	6,088	5,859	5,424	435	194	10	25	0
Malignant Neoplasms	4,691	4,483	4,171	312	165	11	32	0
Cerebrovascular Disease	1,319	1,265	1,172	93	43	4	7	0
Chronic Obstructive Pulmonary Diseases	1,318	1,292	1,223	69	22	1	3	0
Total Unintentional Injuries	1,087	1,018	850	168	43	14	12	0
Motor Vehicle	558	518	428	90	18	12	10	0
All Other	529	500	422	78	25	2	2	0
Pneumonia and Influenza	[illegible]	858	797	61	20	2	5	0
Suicide	546	533	472	61	8	4	1	0
Diabetes Mellitus	445	415	324	91	20	4	6	0
Atherosclerosis	316	308	291	17	6	0	2	0
Cirrhosis and Chronic Liver Disease	324	305	225	80	13	4	2	0
Homicide	158	130	88	42	27	0	1	0
Conditions of Perinatal Period	178	148	116	32	26	0	3	1
Septicemia	181	169	152	17	10	1	1	0
Congenital Anomalies	160	149	129	20	8	1	2	0
All Other Causes	3,360	3,183	2,847	336	136	16	24	1
PERCENT OF DEATHS:								
Heart Disease	28.9	29.1	29.7	23.7	26.2	13.9	19.8	
Malignant Neoplasms	22.3	22.3	22.8	17.0	22.3	15.3	25.4	
Cerebrovascular Disease	6.3	6.3	6.4	5.1	5.8	5.6	5.6	
Chronic Obstructive Pulmonary Diseases	6.3	6.4	6.7	3.8	3.0	1.4	2.4	
Total Unintentional Injuries	5.2	5.1	4.6	9.2	5.8	19.4	9.5	
Motor Vehicle	2.7	2.6	2.3	4.9	2.4	16.7	7.9	
All Other	2.5	2.5	2.3	4.3	3.4	2.8	1.6	
Pneumonia and Influenza	4.2	4.3	4.4	3.3	2.7	2.8	4.0	
Suicide	2.6	2.6	2.6	3.3	1.1	5.6	0.8	
Diabetes Mellitus	2.1	2.1	1.8	5.0	2.7	5.6	4.8	
Atherosclerosis	1.5	1.5	1.6	0.9	0.8	0.0	1.6	
Cirrhosis and Chronic Liver Disease	1.5	1.5	1.2	4.4	1.8	5.6	1.6	
Homicide	0.8	0.6	0.5	2.3	3.6	0.0	0.8	
Conditions of Perinatal Period	0.8	0.7	0.6	1.7	3.5	0.0	2.4	
Septicemia	0.9	0.8	0.8	0.9	1.3	1.4	0.8	
Congenital Anomalies	0.8	0.7	0.7	1.1	1.1	1.4	1.6	
All Other Causes	16.0	15.8	15.6	18.3	18.4	22.2	19.0	

Differences in age distribution of populations should be considered when comparing proportions of deaths by cause among race/ethnic groups.

Table 76. Leading Causes of Death by Age, Race/Ethnicity and Sex: Colorado Residents, 1989-- White/Non-Spanish Origin

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:														
All Causes	18,281	315	43	43	42	129	151	512	715	901	2,011	3,953	5,081	4,385
Heart Disease	5,424	8	2	1	0	1	5	25	62	202	566	1,168	1,707	1,677
Malignant Neoplasms	4,171	0	5	5	5	7	7	55	170	306	764	1,268	1,101	478
Cerebrovascular Disease	1,172	0	1	1	0	0	2	3	20	29	76	163	408	469
Chronic Obstructive Pulmonary Diseases	1,223	0	0	0	0	0	0	2	10	31	149	423	438	170
Total Unintentional Injuries	850	5	22	17	19	66	63	148	131	62	55	83	93	86
Motor Vehicle	428	4	10	10	15	56	45	94	69	30	27	36	24	8
All Other	422	1	12	7	4	10	18	54	62	32	28	47	69	78
Pneumonia and Influenza	797	3	3	0	2	1	2	7	7	7	26	93	242	404
Suicide	472	0	0	0	4	32	41	123	99	56	38	36	28	15
Diabetes Mellitus	324	0	0	0	0	0	0	5	13	19	35	85	119	48
Atherosclerosis	291	0	0	0	0	0	0	0	0	1	6	23	81	180
Chronic Liver Disease and Cirrhosis	225	0	0	0	0	0	0	9	31	31	60	59	24	11
Homicide and Legal Intervention	88	4	0	1	0	7	7	23	22	12	1	9	2	0
Perinatal Period Conditions	116	116	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	152	3	0	0	0	0	1	1	5	5	9	34	51	43
Congenital Anomalies	129	84	4	2	1	2	2	6	0	6	2	7	8	5
All Other Causes	2,847	92	6	16	11	13	21	105	145	134	224	502	779	799
MALE:														
All Causes	9,411	193	26	32	24	86	99	363	469	579	1,241	2,361	2,501	1,437
Heart Disease	2,782	8	1	1	0	1	4	16	52	166	416	774	826	517
Malignant Neoplasms	2,188	0	4	4	3	5	4	29	71	148	413	722	591	194
Cerebrovascular Disease	453	0	0	1	0	0	0	1	12	19	39	80	166	135
Chronic Obstructive Pulmonary Diseases	696	0	0	0	0	0	0	1	3	18	86	243	254	91
Total Unintentional Injuries	530	1	12	14	11	38	39	107	94	49	35	48	52	30
Motor Vehicle	274	1	4	8	10	32	26	66	47	22	16	20	17	5
All Other	256	0	8	6	1	6	13	41	47	27	19	28	35	25
Pneumonia and Influenza	330	3	2	0	2	1	0	2	4	2	14	52	110	138
Suicide	381	0	0	0	3	27	36	101	74	44	29	31	24	12
Diabetes Mellitus	140	0	0	0	0	0	0	2	9	11	22	43	41	12
Atherosclerosis	99	0	0	0	0	0	0	0	0	1	5	13	31	49
Chronic Liver Disease and Cirrhosis	153	0	0	0	0	0	0	7	21	24	41	41	15	4
Homicide and Legal Intervention	53	2	0	1	0	3	2	14	14	9	1	6	1	0
Perinatal Period Conditions	70	70	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	72	2	0	0	0	0	1	0	3	3	2	18	26	17
Congenital Anomalies	69	43	2	2	1	2	0	4	0	4	2	3	5	1
All Other Causes	1,395	64	5	9	4	9	13	79	112	81	136	287	359	237
FEMALE:														
All Causes	8,870	122	17	11	18	43	52	149	246	322	770	1,592	2,580	2,948
Heart Disease	2,642	0	1	0	0	0	1	9	10	36	150	394	881	1,160
Malignant Neoplasms	1,983	0	1	1	2	2	3	26	99	158	351	546	510	284
Cerebrovascular Disease	719	0	1	0	0	0	2	2	8	10	37	83	242	334
Chronic Obstructive Pulmonary Diseases	527	0	0	0	0	0	0	1	7	13	63	180	184	79
Total Unintentional Injuries	320	4	10	3	8	28	24	41	37	13	20	35	41	56
Motor Vehicle	154	3	6	2	5	24	19	28	22	8	11	16	7	3
All Other	166	1	4	1	3	4	5	13	15	5	9	19	34	53
Pneumonia and Influenza	467	0	1	0	0	0	2	5	3	5	12	41	132	266
Suicide	91	0	0	0	1	5	5	22	25	12	9	5	4	3
Diabetes Mellitus	184	0	0	0	0	0	0	3	4	8	13	42	78	36
Atherosclerosis	192	0	0	0	0	0	0	0	0	0	1	10	50	131
Chronic Liver Disease and Cirrhosis	72	0	0	0	0	0	0	2	10	7	19	18	9	7
Homicide and Legal Intervention	35	2	0	0	0	4	5	9	8	3	0	3	1	0
Perinatal Period Conditions	46	46	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	80	1	0	0	0	0	0	1	2	2	7	16	25	26
Congenital Anomalies	60	41	2	0	0	0	2	2	0	2	0	4	3	4
All Other Causes	1,452	28	1	7	7	4	8	26	33	53	88	215	420	562

Table 77. Leading Causes of Death by Age, Race/Ethnicity and Sex: Colorado Residents, 1989--White/Spanish Origin

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:														
All Causes	1,834	87	19	7	7	43	46	118	139	162	244	328	382	252
Heart Disease	435	0	1	1	0	1	3	4	14	41	69	103	121	77
Malignant Neoplasms	312	0	0	1	0	1	2	9	23	27	60	76	70	43
Cerebrovascular Disease	93	1	0	0	0	0	0	2	5	5	13	16	30	21
Chronic Obstructive Pulmonary Diseases	69	0	0	0	0	0	1	0	1	2	12	17	26	10
Total Unintentional Injuries	168	1	9	1	2	21	22	29	27	20	12	9	6	9
Motor Vehicle	90	0	3	0	0	19	15	15	15	10	6	3	1	3
All Other	78	1	6	1	2	2	7	14	12	10	6	6	5	6
Pneumonia and Influenza	61	1	1	1	1	0	0	0	6	2	1	8	20	20
Suicide	61	0	0	0	1	11	7	15	19	2	3	3	0	0
Diabetes Mellitus	91	0	0	0	0	0	1	0	0	12	12	32	23	11
Atherosclerosis	17	0	0	0	0	0	0	0	0	0	1	3	7	6
Chronic Liver Disease and Cirrhosis	80	0	0	0	0	0	0	2	11	22	22	18	2	3
Homicide and Legal Intervention	42	2	1	0	0	6	5	16	5	2	1	2	2	0
Perinatal Period Conditions	32	32	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	17	0	0	0	1	0	0	1	0	3	3	1	3	5
Congenital Anomalies	20	15	3	0	1	0	0	1	0	0	0	0	0	0
All Other Causes	336	35	4	3	1	3	5	39	28	24	35	40	72	47
MALE:														
All Causes	1,115	52	11	6	4	33	35	82	95	115	152	199	202	129
Heart Disease	259	0	0	1	0	1	1	2	11	35	46	69	60	33
Malignant Neoplasms	166	0	0	1	0	0	2	4	8	13	39	39	39	21
Cerebrovascular Disease	45	1	0	0	0	0	0	1	0	2	7	7	14	13
Chronic Obstructive Pulmonary Diseases	42	0	0	0	0	0	0	0	0	0	3	11	19	9
Total Unintentional Injuries	122	0	5	1	2	14	19	22	21	16	8	4	4	6
Motor Vehicle	65	0	1	0	0	12	12	12	13	7	4	2	0	2
All Other	57	0	4	1	2	2	7	10	8	9	4	2	4	4
Pneumonia and Influenza	40	0	0	1	1	0	0	0	6	2	1	6	15	8
Suicide	54	0	0	0	0	11	5	13	17	2	3	3	0	0
Diabetes Mellitus	42	0	0	0	0	0	1	0	0	5	5	15	11	5
Atherosclerosis	10	0	0	0	0	0	0	0	0	0	1	2	3	4
Chronic Liver Disease and Cirrhosis	60	0	0	0	0	0	0	0	9	18	15	15	1	2
Homicide and Legal Intervention	27	0	1	0	0	6	4	8	2	2	1	2	1	0
Perinatal Period Conditions	19	19	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	9	0	0	0	0	0	0	1	0	2	2	1	0	3
Congenital Anomalies	11	9	2	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	209	23	3	2	1	1	3	31	21	18	21	25	35	25
FEMALE:														
All Causes	719	35	8	1	3	10	11	36	44	47	92	129	180	123
Heart Disease	176	0	1	0	0	0	2	2	3	6	23	34	61	44
Malignant Neoplasms	146	0	0	0	0	1	0	5	15	14	21	37	31	22
Cerebrovascular Disease	48	0	0	0	0	0	0	1	5	3	6	9	16	8
Chronic Obstructive Pulmonary Diseases	27	0	0	0	0	0	1	0	1	2	9	6	7	1
Total Unintentional Injuries	46	1	4	0	0	7	3	7	6	4	4	5	2	3
Motor Vehicle	25	0	2	0	0	7	3	3	2	3	2	1	1	1
All Other	21	1	2	0	0	0	0	4	4	1	2	4	1	2
Pneumonia and Influenza	21	1	1	0	0	0	0	0	0	0	0	2	5	12
Suicide	7	0	0	0	1	0	2	2	2	0	0	0	0	0
Diabetes Mellitus	49	0	0	0	0	0	0	0	0	7	7	17	12	6
Atherosclerosis	7	0	0	0	0	0	0	0	0	0	0	1	4	2
Chronic Liver Disease and Cirrhosis	20	0	0	0	0	0	0	2	2	4	7	3	1	1
Homicide and Legal Intervention	15	2	0	0	0	0	1	8	3	0	0	0	1	0
Perinatal Period Conditions	13	13	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	8	0	0	0	1	0	0	0	0	1	1	0	3	2
Congenital Anomalies	9	6	1	0	1	0	0	1	0	0	0	0	0	0
All Other Causes	127	12	1	1	0	2	2	8	7	6	14	15	37	22

Table 78. Leading Causes of Death by Age, Race/Ethnicity and Sex: Colorado Residents, 1989--Black

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:														
All Causes	741	45	10	3	6	7	17	52	44	66	115	151	130	95
Heart Disease	194	0	0	0	1	0	0	4	8	11	31	50	49	40
Malignant Neoplasms	165	0	0	0	2	0	2	3	6	14	43	48	35	12
Cerebrovascular Disease	43	0	0	0	0	0	0	3	0	6	6	12	8	8
Chronic Obstructive Pulmonary Diseases	22	0	0	0	0	0	0	2	3	2	6	6	1	2
Total Unintentional Injuries	43	0	3	1	2	1	7	9	6	4	2	6	1	1
Motor Vehicle	18	0	0	0	0	1	4	5	2	1	2	3	0	0
All Other	25	0	3	1	2	0	3	4	4	3	0	3	1	1
Pneumonia and Influenza	20	0	1	0	0	0	0	0	0	2	2	2	5	8
Suicide	8	0	0	0	0	1	2	3	2	0	0	0	0	0
Diabetes Mellitus	20	0	0	0	0	0	0	1	0	0	5	5	6	3
Atherosclerosis	6	0	0	0	0	0	0	0	0	0	0	0	3	3
Chronic Liver Disease and Cirrhosis	13	0	0	0	0	0	0	0	2	4	5	0	2	0
Homicide and Legal Intervention	27	2	1	1	1	4	3	11	0	4	0	0	0	0
Perinatal Period Conditions	26	26	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	10	0	0	0	0	0	0	0	2	3	2	3	0	0
Congenital Anomalies	8	5	3	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	136	12	2	1	0	1	3	16	15	16	13	19	20	18
MALE:														
All Causes	413	27	4	1	3	6	13	35	32	41	64	93	67	27
Heart Disease	102	0	0	0	0	0	0	4	4	6	21	28	25	14
Malignant Neoplasms	93	0	0	0	1	0	2	1	4	9	17	33	21	5
Cerebrovascular Disease	20	0	0	0	0	0	0	2	0	3	3	7	3	2
Chronic Obstructive Pulmonary Diseases	14	0	0	0	0	0	0	0	2	1	4	4	1	2
Total Unintentional Injuries	31	0	2	1	1	1	5	4	6	2	2	6	1	0
Motor Vehicle	14	0	0	0	0	1	2	3	2	1	2	3	0	0
All Other	17	0	2	1	1	0	3	1	4	1	0	3	1	0
Pneumonia and Influenza	10	0	1	0	0	0	0	0	0	1	2	2	2	2
Suicide	8	0	0	0	0	1	2	3	2	0	0	0	0	0
Diabetes Mellitus	10	0	0	0	0	0	0	0	0	0	4	3	3	0
Atherosclerosis	3	0	0	0	0	0	0	0	0	0	0	0	2	1
Chronic Liver Disease and Cirrhosis	7	0	0	0	0	0	0	0	1	3	2	0	1	0
Homicide and Legal Intervention	20	2	0	0	1	3	3	7	0	4	0	0	0	0
Perinatal Period Conditions	18	18	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	7	0	0	0	0	0	0	0	2	2	1	2	0	0
Congenital Anomalies	2	1	1	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	68	6	0	0	0	1	1	14	11	10	8	8	8	1
FEMALE:														
All Causes	328	18	6	2	3	1	4	17	12	25	51	58	63	68
Heart Disease	92	0	0	0	1	0	0	0	4	5	10	22	24	26
Malignant Neoplasms	72	0	0	0	1	0	0	2	2	5	26	15	14	7
Cerebrovascular Disease	23	0	0	0	0	0	0	1	0	3	3	5	5	6
Chronic Obstructive Pulmonary Diseases	8	0	0	0	0	0	0	2	1	1	2	2	0	0
Total Unintentional Injuries	12	0	1	0	1	0	2	5	0	2	0	0	0	1
Motor Vehicle	4	0	0	0	0	0	2	2	0	0	0	0	0	0
All Other	8	0	1	0	1	0	0	3	0	2	0	0	0	1
Pneumonia and Influenza	10	0	0	0	0	0	0	0	0	1	0	0	3	6
Suicide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes Mellitus	10	0	0	0	0	0	0	1	0	0	1	2	3	3
Atherosclerosis	3	0	0	0	0	0	0	0	0	0	0	0	1	2
Chronic Liver Disease and Cirrhosis	6	0	0	0	0	0	0	0	1	1	3	0	1	0
Homicide and Legal Intervention	7	0	1	1	0	1	0	4	0	0	0	0	0	0
Perinatal Period Conditions	8	8	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	3	0	0	0	0	0	0	0	0	1	1	1	0	0
Congenital Anomalies	6	4	2	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	68	6	2	1	0	0	2	2	4	6	5	11	12	17

Table 79. Leading Causes of Death by Age, Race/Ethnicity and Sex: Colorado Residents, 1989--Native American

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:														
All Causes	72	3	3	0	0	1	2	10	11	3	8	14	13	4
Heart Disease	10	0	0	0	0	0	0	0	1	1	2	2	4	0
Malignant Neoplasms	11	0	1	0	0	0	0	0	0	1	1	2	6	0
Cerebrovascular Disease	4	0	0	0	0	0	0	0	0	0	0	1	1	2
Chronic Obstructive Pulmonary Diseases	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Total Unintentional Injuries	14	1	1	0	0	1	2	6	2	1	0	0	0	0
Motor Vehicle	12	1	0	0	0	1	1	6	2	1	0	0	0	0
All Other	2	0	1	0	0	0	1	0	0	0	0	0	0	0
Pneumonia and Influenza	2	0	0	0	0	0	0	0	0	0	0	1	0	1
Suicide	4	0	0	0	0	0	0	3	1	0	0	0	0	0
Diabetes Mellitus	4	0	0	0	0	0	0	0	0	0	1	3	0	0
Atherosclerosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Liver Disease and Cirrhosis	4	0	0	0	0	0	0	0	1	0	2	1	0	0
Homicide and Legal Intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal Period Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Congenital Anomalies	1	1	0	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	16	1	1	0	0	0	0	1	6	0	1	3	2	1
MALE:														
All Causes	44	3	1	0	0	1	2	6	8	1	5	8	6	3
Heart Disease	5	0	0	0	0	0	0	0	1	0	2	1	1	0
Malignant Neoplasms	7	0	0	0	0	0	0	0	0	0	1	2	4	0
Cerebrovascular Disease	2	0	0	0	0	0	0	0	0	0	0	1	0	1
Chronic Obstructive Pulmonary Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Unintentional Injuries	10	1	1	0	0	1	2	2	2	1	0	0	0	0
Motor Vehicle	8	1	0	0	0	1	1	2	2	1	0	0	0	0
All Other	2	0	1	0	0	0	1	0	0	0	0	0	0	0
Pneumonia and Influenza	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Suicide	4	0	0	0	0	0	0	3	1	0	0	0	0	0
Diabetes Mellitus	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Atherosclerosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Liver Disease and Cirrhosis	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Homicide and Legal Intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal Period Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Congenital Anomalies	1	1	0	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	11	1	0	0	0	0	0	1	4	0	1	2	1	1
FEMALE:														
All Causes	28	0	2	0	0	0	0	4	3	2	3	6	7	1
Heart Disease	5	0	0	0	0	0	0	0	0	1	0	1	3	0
Malignant Neoplasms	4	0	1	0	0	0	0	0	0	1	0	0	2	0
Cerebrovascular Disease	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Obstructive Pulmonary Diseases	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Total Unintentional Injuries	4	0	0	0	0	0	0	4	0	0	0	0	0	0
Motor Vehicle	4	0	0	0	0	0	0	4	0	0	0	0	0	0
All Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia and Influenza	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Suicide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes Mellitus	3	0	0	0	0	0	0	0	0	0	1	2	0	0
Atherosclerosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Liver Disease and Cirrhosis	3	0	0	0	0	0	0	0	1	0	2	0	0	0
Homicide and Legal Intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal Period Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	5	0	1	0	0	0	0	0	2	0	0	1	1	0

Table 80. Leading Causes of Death by Age, Race/Ethnicity and Sex: Colorado Residents, 1989--Asian

	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL:														
All Causes	126	8	2	3	0	1	3	4	9	11	16	29	23	17
Heart Disease	25	1	1	0	0	0	0	0	0	1	3	7	5	7
Malignant Neoplasms	32	0	0	1	0	0	1	3	4	5	6	10	2	0
Cerebrovascular Disease	7	0	0	0	0	0	0	0	0	1	0	2	2	2
Chronic Obstructive Pulmonary Diseases	3	0	0	0	0	0	0	0	0	0	0	1	2	0
Total Unintentional Injuries	12	1	0	2	0	1	2	1	2	1	2	0	0	0
Motor Vehicle	10	1	0	2	0	1	0	1	2	1	2	0	0	0
All Other	2	0	0	0	0	0	2	0	0	0	0	0	0	0
Pneumonia and Influenza	5	0	0	0	0	0	0	0	0	0	1	0	2	2
Suicide	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Diabetes Mellitus	6	0	0	0	0	0	0	0	0	1	3	0	1	1
Atherosclerosis	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Liver Disease and Cirrhosis	2	0	0	0	0	0	0	0	0	0	0	2	0	0
Homicide and Legal Intervention	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Perinatal Period Conditions	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Congenital Anomalies	2	1	0	0	0	0	0	0	0	1	0	0	0	0
All Other Causes	24	2	1	0	0	0	0	0	2	0	1	6	8	4
MALE:														
All Causes	59	4	1	2	0	1	2	2	3	3	8	17	10	6
Heart Disease	13	0	0	0	0	0	0	0	0	1	2	5	2	3
Malignant Neoplasms	15	0	0	0	0	0	1	2	1	2	3	5	1	0
Cerebrovascular Disease	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Obstructive Pulmonary Diseases	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Total Unintentional Injuries	5	1	0	2	0	1	1	0	0	0	0	0	0	0
Motor Vehicle	4	1	0	2	0	1	0	0	0	0	0	0	0	0
All Other	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Pneumonia and Influenza	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Suicide	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Diabetes Mellitus	3	0	0	0	0	0	0	0	0	0	2	0	0	1
Atherosclerosis	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Liver Disease and Cirrhosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homicide and Legal Intervention	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Perinatal Period Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital Anomalies	1	1	0	0	0	0	0	0	0	0	0	0	0	0
All Other Causes	15	2	1	0	0	0	0	0	1	0	1	5	4	1
FEMALE:														
All Causes	67	4	1	1	0	0	1	2	6	8	8	12	13	11
Heart Disease	12	1	1	0	0	0	0	0	0	0	1	2	3	4
Malignant Neoplasms	17	0	0	1	0	0	0	1	3	3	3	5	1	0
Cerebrovascular Disease	6	0	0	0	0	0	0	0	0	1	0	2	1	2
Chronic Obstructive Pulmonary Diseases	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total Unintentional Injuries	7	0	0	0	0	0	1	1	2	1	2	0	0	0
Motor Vehicle	6	0	0	0	0	0	0	1	2	1	2	0	0	0
All Other	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Pneumonia and Influenza	4	0	0	0	0	0	0	0	0	0	1	0	1	2
Suicide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes Mellitus	3	0	0	0	0	0	0	0	0	1	1	0	1	0
Atherosclerosis	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Liver Disease and Cirrhosis	2	0	0	0	0	0	0	0	0	0	0	2	0	0
Homicide and Legal Intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal Period Conditions	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Congenital Anomalies	1	0	0	0	0	0	0	0	0	1	0	0	0	0
All Other Causes	9	0	0	0	0	0	0	0	1	0	0	1	4	3

Table 81. Deaths and Death Rates for Leading Causes of Death by Selected Ages and Race/Ethnicity: Colorado Residents, 1989

	DEATHS					DEATH RATES				
	1-14	15-24	25-44	45-64	65+	1-14	15-24	25-44	45-64	65+
WHITE/NON-SPANISH ORIGIN:										
All Causes	128	280	1,227	2,912	13,419	24.2	75.8	126.7	578.8	4,546.9
Heart Disease	3	6	87	768	4,552	0.6	1.6	9.0	152.7	1,542.4
Malignant Neoplasms	15	14	225	1,070	2,847	2.8	3.8	23.2	212.7	964.7
Cerebrovascular Disease	2	2	23	105	1,040	0.4	0.5	2.4	20.9	352.4
Chronic Obstructive Pulmonary Diseases	0	0	12	180	1,031	0.0	0.0	1.2	35.8	349.3
Total Unintentional Injuries	58	129	279	117	262	11.0	34.9	28.8	23.3	88.8
Motor Vehicle	35	101	163	57	68	6.6	27.3	16.8	11.3	23.0
All Other	23	28	116	60	194	4.4	7.6	12.0	11.9	65.7
Pneumonia and Influenza	5	3	14	33	739	0.9	0.8	1.4	6.6	250.4
Suicide	4	73	222	94	79	0.8	19.8	22.9	18.7	26.8
Diabetes Mellitus	0	0	18	54	252	0.0	0.0	1.9	10.7	85.4
Atherosclerosis	0	0	0	7	284	0.0	0.0	0.0	1.4	96.2
Chronic Liver Disease and Cirrhosis	0	0	40	91	94	0.0	0.0	4.1	18.1	31.9
Homicide and Legal Intervention	1	14	45	13	11	0.2	3.8	4.6	2.6	3.7
WHITE/SPANISH ORIGIN:										
All Causes	33	89	257	406	962	26.5	116.4	192.4	720.6	4,501.0
Heart Disease	2	4	18	110	301	1.6	5.2	13.5	195.2	1,408.3
Malignant Neoplasms	1	3	32	87	189	0.8	3.9	24.0	154.4	884.3
Cerebrovascular Disease	0	0	7	18	67	0.0	0.0	5.2	31.9	313.5
Chronic Obstructive Pulmonary Diseases	0	1	1	14	53	0.0	1.3	0.7	24.8	248.0
Total Unintentional Injuries	12	43	56	32	24	9.7	56.2	41.9	56.8	112.3
Motor Vehicle	3	34	30	16	7	2.4	44.5	22.5	28.4	32.8
All Other	9	9	26	16	17	7.2	11.8	19.5	28.4	79.5
Pneumonia and Influenza	3	0	6	3	48	2.4	0.0	4.5	5.3	224.6
Suicide	1	18	34	5	3	0.8	23.5	25.4	8.9	14.0
Diabetes Mellitus	0	1	0	24	66	0.0	1.3	0.0	42.6	308.8
Atherosclerosis	0	0	0	1	16	0.0	0.0	0.0	1.8	74.9
Chronic Liver Disease and Cirrhosis	0	0	13	44	23	0.0	0.0	9.7	78.1	107.6
Homicide and Legal Intervention	1	11	21	3	4	0.8	14.4	15.7	5.3	18.7
BLACK:										
All Causes	19	24	96	181	376	56.8	116.6	213.3	978.3	5,851.2
Heart Disease	1	0	12	42	139	3.0	0.0	26.7	227.0	2,163.1
Malignant Neoplasms	2	2	9	57	95	6.0	9.7	20.0	308.1	1,478.4
Cerebrovascular Disease	0	0	3	12	28	0.0	0.0	6.7	64.9	435.7
Chronic Obstructive Pulmonary Diseases	0	0	5	8	9	0.0	0.0	11.1	43.2	140.1
Total Unintentional Injuries	6	8	15	6	8	17.9	38.9	33.3	32.4	124.5
Motor Vehicle	0	5	7	3	3	0.0	24.3	15.6	16.2	46.7
All Other	6	3	8	3	5	17.9	14.6	17.8	16.2	77.8
Pneumonia and Influenza	1	0	0	4	15	3.0	0.0	0.0	21.6	233.4
Suicide	0	3	5	0	0	0.0	14.6	11.1	0.0	0.0
Diabetes Mellitus	0	0	1	5	14	0.0	0.0	2.2	27.0	217.9
Atherosclerosis	0	0	0	0	6	0.0	0.0	0.0	0.0	93.4
Chronic Liver Disease and Cirrhosis	0	0	2	9	2	0.0	0.0	4.4	48.6	31.1
Homicide and Legal Intervention	3	7	11	4	0	9.0	34.0	24.4	21.6	0.0
POPULATION ESTIMATES - WHITE :	528,679	369,361	968,481	503,072	295,126					
HISPANIC:	124,335	76,462	133,605	56,340	21,373					
BLACK:	33,437	20,579	45,009	18,502	6,426					

Rates are deaths per 100,000 population in each age- and race-group. Rates based on few events must be viewed with caution. Populations are 1980-based projections from the Demographic Section, Colorado Department of Local Affairs.

Table 82. Age-Adjusted Death Rates for Selected Causes of Death by Race/Ethnicity and Sex: Colorado Residents, 1989

CAUSES OF DEATH	TOTAL	WHITE/ NON-SPANISH ORIGIN	WHITE/ SPANISH ORIGIN	BLACK
Total				
All Causes of Death	440.4	426.1	503.2	664.3
Heart Disease	115.0	112.6	126.3	179.9
Malignant Neoplasms	109.1	109.4	92.4	167.7
Cerebrovascular Diseases	22.2	21.4	25.2	40.5
Chronic Obstructive Pulmonary Diseases	27.8	28.7	20.2	21.2
Unintentional Injuries	29.6	27.2	42.6	36.2
Motor Vehicle	16.7	15.6	22.8	15.8
All Other	12.9	11.7	19.8	20.4
Pneumonia and Influenza	13.2	13.0	14.5	15.7
Suicide	15.6	16.1	15.1	6.0
Diabetes Mellitus	9.7	7.7	28.4	19.1
Atherosclerosis	4.1	4.1	4.2	4.2
Chronic Liver Disease and Cirrhosis	8.8	6.9	26.2	13.1
Homicide and Legal Intervention	4.7	3.1	10.0	20.2
Human Immunodeficiency Virus Infection (AIDS)	6.1	5.4	8.1	10.5
Male				
All Causes of Death	570.0	550.5	664.6	871.1
Heart Disease	159.4	157.0	172.3	239.8
Malignant Neoplasms	132.2	132.3	108.9	226.6
Cerebrovascular Diseases	23.9	23.1	26.5	46.5
Chronic Obstructive Pulmonary Diseases	37.7	39.1	26.5	31.2
Unintentional Injuries	40.3	36.3	62.6	57.1
Motor Vehicle	21.9	19.8	33.0	26.4
All Other	18.4	16.4	29.6	30.6
Pneumonia and Influenza	16.2	15.5	23.1	22.1
Suicide	26.0	26.5	27.1	11.5
Diabetes Mellitus	10.4	8.4	28.7	25.3
Atherosclerosis	4.5	4.4	5.7	7.1
Chronic Liver Disease and Cirrhosis	13.0	10.2	41.6	14.9
Homicide and Legal Intervention	6.1	3.7	13.7	30.1
Human Immunodeficiency Virus Infection (AIDS)	11.8	10.6	15.4	26.5
Female				
All Causes of Death	333.9	324.8	359.5	502.8
Heart Disease	78.7	76.3	85.8	138.0
Malignant Neoplasms	92.5	93.0	79.0	129.8
Cerebrovascular Diseases	21.1	20.1	24.7	35.8
Chronic Obstructive Pulmonary Diseases	21.2	21.7	16.1	14.8
Unintentional Injuries	19.3	18.6	23.0	17.9
Motor Vehicle	11.7	11.4	12.6	6.3
All Other	7.6	7.2	10.4	11.6
Pneumonia and Influenza	11.2	11.5	7.2	10.3
Suicide	5.5	6.1	3.2	0.0
Diabetes Mellitus	9.0	7.0	28.3	14.0
Atherosclerosis	3.7	3.7	3.1	2.7
Chronic Liver Disease and Cirrhosis	5.1	3.9	12.1	11.5
Homicide and Legal Intervention	3.3	2.6	6.5	9.8
Human Immunodeficiency Virus Infection (AIDS)	0.3	0.1	0.5	5.3

Rates are per 100,000 population. See technical notes for explanation of age adjustment. These figures were calculated by a different method than age-adjusted deaths rates found in county tables. Some rates are based on small numbers of deaths.

Figure 37. Cardiovascular Disease Deaths by Type: Colorado Residents, 1989

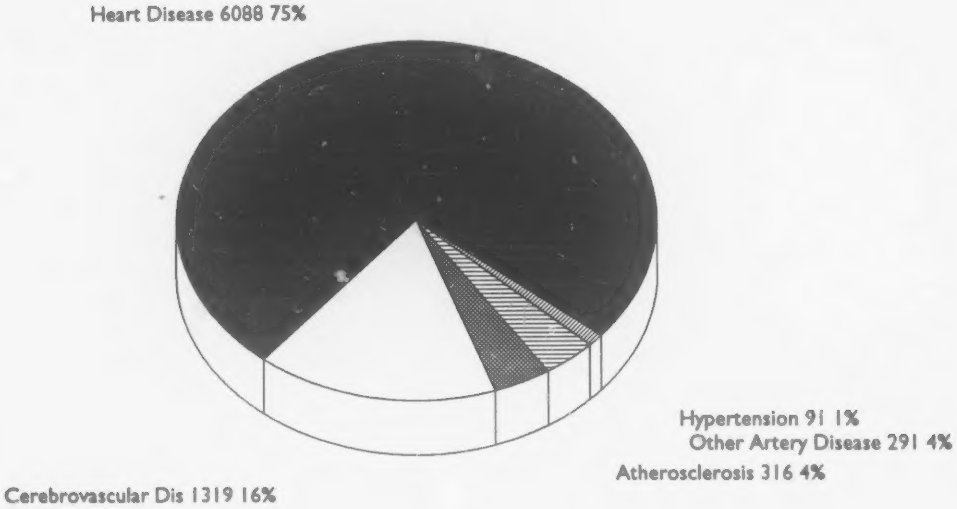


Figure 38. Heart Disease Deaths by Type: Colorado Residents, 1989

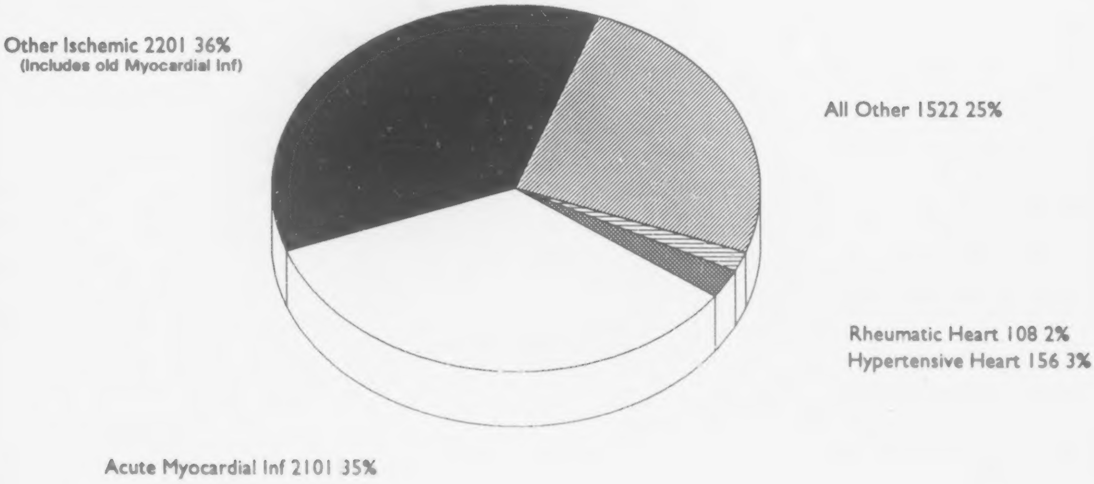
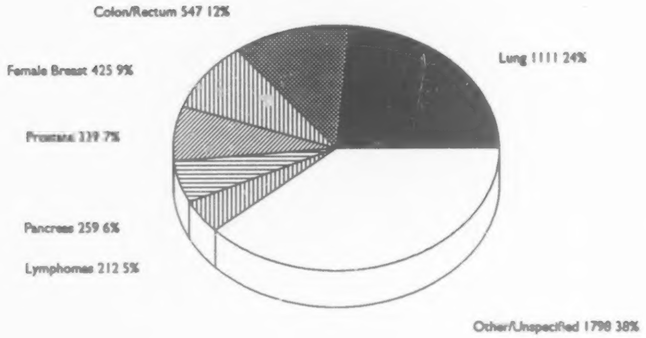
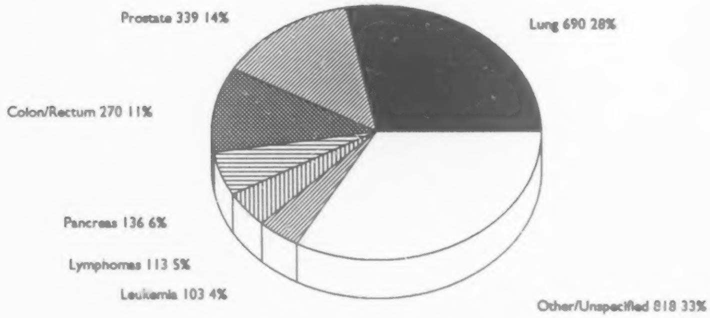


Figure 39. Cancer Deaths by Type by Sex: Colorado Residents, 1989

Total
(4,691 Deaths)



Male
(2,469 Deaths)



Female
(2,222 Deaths)

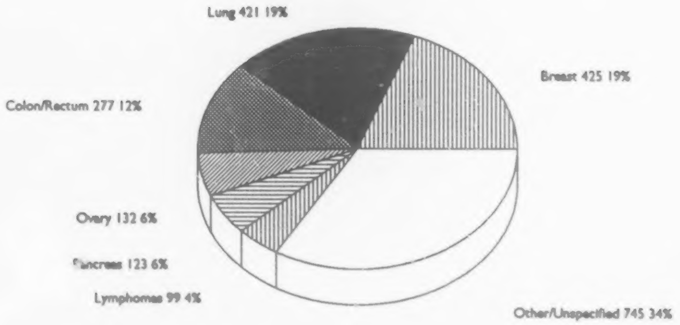
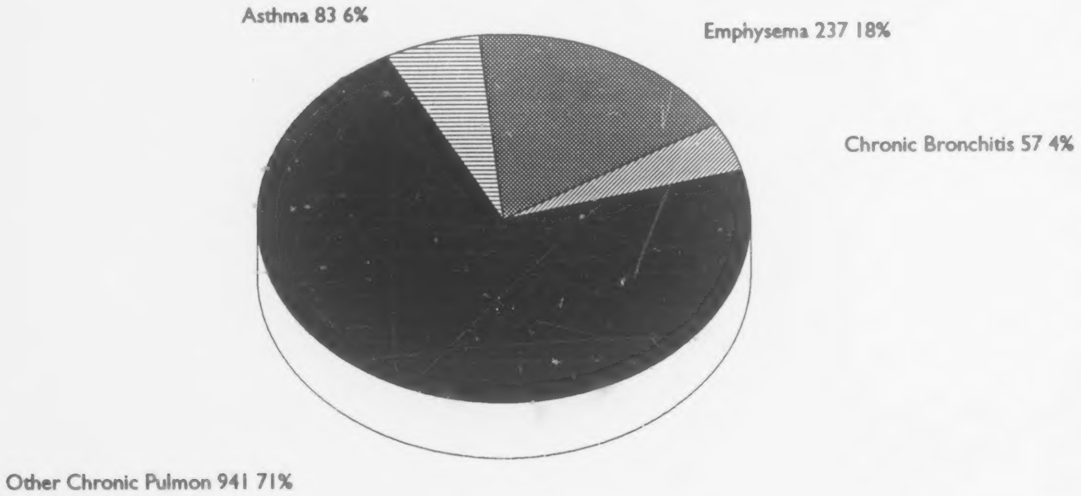


Figure 40. Chronic Obstructive Pulmonary Disease Deaths by Type Reported: Colorado Residents, 1989



Deaths from Injuries (Accidents, Suicide, Homicide, Injuries of Undetermined Intent)

Colorado resident injury deaths totaled 1,845 in 1989, 8.8 percent of all deaths. When all injuries, unintentional and intentional, are considered together, injury is the third leading cause of death. The crude death rate for total injuries in Colorado was 55.6 deaths per 100,000 population, down from 60.0 in 1988. The U.S. total injury crude death rate was 61.1 in 1989.

Unintentional injuries caused 1,087 Colorado deaths in 1989, 558 from motor vehicle crashes and 529 from all other unintentional injuries. Suicide claimed 546 lives, and homicide and legal intervention 158 lives. Fifty-four deaths were from other injuries, 53 from injuries for which intent was not determined, and 1 from late effects of war.

Figure 41 compares numbers of Colorado resident deaths by type of injury in 1989. Table 83 shows deaths from detailed injury causes by age and sex for 1989.

Unintentional Injury Deaths

Unintentional injuries are the leading cause of injury death and rank fifth among all leading causes of death. In 1989, unintentional injuries caused the deaths of 1,087 Coloradans. Injuries from motor vehicle crashes were responsible for the largest share with 558 deaths. All other unintentional injuries caused 529 deaths.

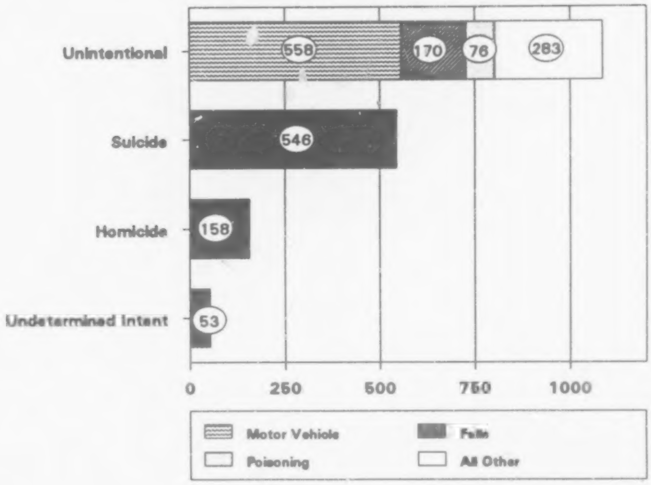
The crude death rate for total unintentional injuries was 32.8 deaths per 100,000 population in 1989, down from rates of 34.1 in 1988, 37.2 in 1987, and 38.2 in 1986. Unintentional injury death rates have decreased steadily over the last 50 years. The rate in 1989 was almost two-thirds lower than the rate of 90.5 reported in 1940.

As with nearly all types of injuries, male death rates for unintentional injuries were higher than those for females. In 1989, the crude Colorado male rate was 42.4. The crude female rate was 11.6. The highest age-specific unintentional injury death rates actually occur among females aged 85 and older, largely because of the high incidence of fatal falls in this group. Male rates typically are higher for other age groups.

The age-adjusted unintentional injury death rate has decreased steadily in Colorado over time, reaching a new low of 29.6 deaths per 100,000 population in 1989. In 1980, this rate was 43.4. The U.S. age-adjusted death rate was 33.5 in 1989.

Male age-adjusted death rates decreased by over one-third over the 1980s, with a rate of 40.3 in 1989. Female rates decreased by 20.9 percent, with a rate of 19.3 in 1989.

Figure 41. Injury Deaths by Type: Colorado Residents, 1989



Homicide includes legal intervention deaths. Injury deaths totaled 1,845. One death from late effects of injury due to war operations is not included in the figure.

Motor Vehicle Fatalities

The state's crude death rate for motor vehicle injuries was 16.8 deaths per 100,000 population, nearly unchanged from the rate of 16.9 in 1988. The crude death rate for males in motor vehicle crashes was 22.2 in 1989, twice as high as the female rate of 11.6. Colorado's age-adjusted motor vehicle death rate of 16.7 in 1989 was one-third lower than the rate of 24.9 in 1980.

Motor vehicle injury death rates are considerably higher among teens and young adults than younger children, and then decrease somewhat in the adult population. However, the highest death rates actually occurred among elderly males in 1989. The death rate for male Coloradans aged 85 and older was 73.0, compared to the next highest rate of 35.8 among male aged 15-24.

Motor vehicle traffic accidents were responsible for 540 of the total 558 motor vehicle deaths in 1989. Of these, 425 were to occupants of a vehicle, 38 were to motorcyclists, 12 were to bicyclists, and 64 were to pedestrians. An additional 11 pedestrians were killed by motor vehicles in non-traffic circumstances.

Other Unintentional Injury Deaths

The crude death rate for all other (not related to motor vehicles) unintentional injuries decreased to 15.9 Colorado resident deaths per 100,000 population in 1989. The U.S. crude death rate was 18.5.

As with motor vehicle injuries, both crude and age-adjusted death rates for other injuries have decreased over time. The Colorado age-adjusted death rate in 1989 was 12.9, slightly lower than the U.S. rate of 14.1. Male rates are higher than those for females. Male death rates are higher for all age groups except among the oldest females, as noted previously, for whom deaths from falls are more frequent.

After motor vehicle injuries, falls were the fatal unintentional injuries most often reported. Deaths with falls as the underlying cause numbered 170 in Colorado in 1989, 71.8 percent of which were to people aged 65 years and older.

Unintentional poisoning, a diverse category, claimed 76 lives. Fourteen deaths were from poisoning by local anesthetics (cocaine) and 12 from opiate poisoning (e.g. heroin), but these counts do not include deaths with multiple drug involvement reported. Acute alcohol poisoning was reported for 9 deaths. Poisoning by gases or vapors claimed 11 lives, 2 from motor vehicle exhaust and 9 from other sources.

Aircraft crashes killed 62 Coloradans in 1989. Other unintentional injury deaths included 38 drownings, 34 aspiration deaths, 17 deaths from fires, 11 firearm deaths and 6 electrocutions.

Table 83. Deaths from Selected Injury Causes by Age and Sex: Colorado Residents, 1989

EXTERNAL CAUSE OF DEATH	ICD9 E-CODE		TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
All Injuries (Total)	800-999	T	1,816	17	39	24	30	154	166	394	330	167	115	148	127	105
		M	1,268	7	22	19	19	108	119	289	241	132	80	104	83	45
		F	548	10	17	5	11	46	47	105	89	35	35	44	44	60
Unintentional Injuries (Total)	800-949	T	1,058	8	35	21	23	90	95	189	168	88	67	91	93	90
		M	686	3	20	18	14	55	65	134	123	68	42	56	55	33
		F	372	5	15	3	9	35	30	55	45	20	25	35	38	57
Transportation (Total)	800-848	T	633	6	14	14	16	81	71	141	107	60	40	45	27	11
		M	417	3	5	12	10	50	45	99	72	45	24	28	17	7
		F	216	3	9	2	6	31	26	42	35	15	16	17	10	4
Motor Vehicle-Traffic (Total)	810-819	T	540	6	9	12	15	77	64	118	86	43	37	38	25	10
		M	352	3	4	10	10	46	40	80	61	31	22	22	17	6
		F	188	3	5	2	5	31	24	38	25	12	15	16	8	4
Motor Vehicle-Train	810	T	4	0	0	0	0	0	1	2	0	1	0	0	0	0
		M	4	0	0	0	0	0	1	2	0	1	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor Vehicle Occupant	810-819 (.0,.1,.9)	T	425	6	6	5	9	73	55	92	59	33	32	31	17	7
		M	267	3	4	5	7	43	33	59	39	23	19	17	11	4
		F	158	3	2	0	2	30	22	33	20	10	13	14	6	3
Motorcyclist	810-819 (.2,.3)	T	38	0	0	0	0	3	7	14	10	3	1	0	0	0
		M	34	0	0	0	0	3	6	13	9	2	1	0	0	0
		F	4	0	0	0	0	0	1	1	1	1	0	0	0	0
Bicyclist	810-819 (.6)	T	12	0	0	1	4	0	0	3	3	0	1	0	0	0
		M	6	0	0	1	2	0	0	2	1	0	0	0	0	0
		F	6	0	0	0	2	0	0	1	2	0	1	0	0	0
Pedestrian	810-819 (.7)	T	64	0	3	6	2	1	2	9	13	7	3	7	8	3
		M	44	0	0	4	1	0	1	6	11	6	2	5	6	2
		F	20	0	3	2	1	1	1	3	2	1	1	2	2	1
Pedestrian-Nontraffic	822.7	T	11	0	4	0	0	1	0	1	2	0	0	2	0	1
		M	7	0	1	0	0	1	0	1	2	0	0	1	0	1
		F	4	0	3	0	0	0	0	0	0	0	0	1	0	0
Pedestrian-Train	805.2	T	4	0	0	0	0	0	0	1	2	1	0	0	0	0
		M	3	0	0	0	0	0	0	1	2	0	0	0	0	0
		F	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Aircraft	840-845	T	62	0	1	2	1	1	4	18	13	15	3	3	1	0
		M	44	0	0	2	0	1	2	15	6	13	2	3	0	0
		F	18	0	1	0	1	0	2	3	7	2	1	0	1	0
Drowning (Total)	830,832,910	T	38	0	10	3	1	1	8	3	4	2	1	3	2	0
		M	29	0	7	3	1	0	7	2	3	2	1	1	2	0
		F	9	0	3	0	0	1	1	1	1	0	0	2	0	0
Boat-Related	830,832	T	2	0	0	0	0	0	1	0	0	1	0	0	0	0
		M	2	0	0	0	0	0	1	0	0	1	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Boat	910	T	36	0	10	3	1	1	7	3	4	1	1	3	2	0
		M	27	0	7	3	1	0	6	2	3	1	1	1	2	0
		F	9	0	3	0	0	1	1	1	1	0	0	2	0	0
Recreational	910 (.0,.1,.2)	T	2	0	0	0	0	0	2	0	0	0	0	0	0	0
		M	2	0	0	0	0	0	2	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathtub	910.4	T	7	0	3	0	0	0	1	1	1	0	0	1	0	0
		M	3	0	1	0	0	0	1	0	1	0	0	0	0	0
		F	4	0	2	0	0	0	0	1	0	0	0	1	0	0
Poisoning (Total)	850-869	T	76	0	1	0	0	0	6	24	19	6	6	8	3	3
		M	54	0	1	0	0	0	6	16	15	5	4	5	0	2
		F	22	0	0	0	0	0	0	8	4	1	2	3	3	1
Solids/Liquids (Total)	850-866	T	65	0	0	0	0	0	6	23	17	4	5	4	3	3
		M	43	0	0	0	0	0	6	15	13	3	3	1	0	2
		F	22	0	0	0	0	0	0	8	4	1	2	3	3	1
Opiates	850.0	T	12	0	0	0	0	0	2	2	7	0	1	0	0	0
		M	10	0	0	0	0	0	2	2	5	0	1	0	0	0
		F	2	0	0	0	0	0	0	0	2	0	0	0	0	0

EXTERNAL CAUSE OF DEATH	ICD9 E-CODE		TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Barbiturates	851	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tranquilizers	853	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Local Anesthetics Including Cocaine	855.2	T	14	0	0	0	0	0	2	10	2	0	0	0	0	0
		M	10	0	0	0	0	0	2	6	2	0	0	0	0	0
		F	4	0	0	0	0	0	0	4	0	0	0	0	0	0
Alcohol	860	T	9	0	0	0	0	0	0	2	1	2	3	1	0	0
		M	7	0	0	0	0	0	0	2	1	2	2	0	0	0
		F	2	0	0	0	0	0	0	0	0	0	1	1	0	0
Gas/Vapor (Total)	867-869	T	11	0	1	0	0	0	0	1	2	2	1	4	0	0
		M	11	0	1	0	0	0	0	1	2	2	1	4	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor Vehicle Exhaust	868.2	T	2	0	0	0	0	0	0	1	0	1	0	0	0	0
		M	2	0	0	0	0	0	0	1	0	1	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Falls (Total)	880-888	T	170	1	4	0	0	0	4	8	14	6	11	21	36	65
		M	88	0	3	0	0	0	2	7	11	4	7	14	21	19
		F	82	1	1	0	0	0	2	1	3	2	4	7	15	46
Stairs	880	T	24	1	2	0	0	0	0	0	3	2	3	1	6	6
		M	13	0	1	0	0	0	0	0	2	1	1	1	5	2
		F	11	1	1	0	0	0	0	0	1	1	2	0	1	4
Ladder/Scaffold	881	T	3	0	0	0	0	0	0	0	0	0	0	2	1	0
		M	3	0	0	0	0	0	0	0	0	0	0	2	1	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building/Structure	882	T	6	0	1	0	0	0	2	0	1	1	0	1	0	0
		M	4	0	1	0	0	0	1	0	0	1	0	1	0	0
		F	2	0	0	0	0	0	1	0	1	0	0	0	0	0
Different Level	884	T	15	0	0	0	0	0	2	7	2	1	1	0	0	2
		M	12	0	0	0	0	0	1	6	2	1	1	0	0	1
		F	3	0	0	0	0	0	1	1	0	0	0	0	0	1
Same Level	885	T	15	0	0	0	0	0	0	0	1	0	1	1	3	9
		M	6	0	0	0	0	0	0	0	0	0	0	1	0	5
		F	9	0	0	0	0	0	0	0	1	0	1	0	3	4
Other/Unspecified	883,886-888	T	107	0	1	0	0	0	0	1	7	2	6	16	26	48
		M	50	0	1	0	0	0	0	1	7	1	5	9	15	11
		F	57	0	0	0	0	0	0	0	0	1	1	7	11	37
Fires and Burns (Total)	890-899,924	T	17	0	2	2	2	0	1	2	3	0	1	1	2	1
		M	10	0	2	1	1	0	1	0	3	0	1	0	1	0
		F	7	0	0	1	1	0	0	2	0	0	0	1	1	1
Fires/Burns Excluding Scalds	890-899	T	17	0	2	2	2	0	1	2	3	0	1	1	2	1
		M	10	0	2	1	1	0	1	0	3	0	1	0	1	0
		F	7	0	0	1	1	0	0	2	0	0	0	1	1	1
Housefires	890	T	11	0	2	2	2	0	0	2	2	0	0	1	0	0
		M	6	0	2	1	1	0	0	0	2	0	0	0	0	0
		F	5	0	0	1	1	0	0	2	0	0	0	1	0	0
Clothing Ignition	893	T	2	0	0	0	0	0	0	0	0	0	0	0	1	1
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Scalds/Caustic Substances/Hot Objects	924	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Unintentional	(Residual)	T	126	1	4	2	4	8	6	11	21	15	8	13	23	10
		M	90	0	2	2	2	5	5	10	19	13	5	8	14	5
		F	36	1	2	0	2	3	1	1	2	2	3	5	9	5

Table 83, Continued.

EXTERNAL CAUSE OF DEATH	ICD9 E-CODE		TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Firearm	922	T	11	0	0	0	2	1	2	1	3	1	0	1	0	0
		M	10	0	0	0	2	1	1	1	3	1	0	1	0	0
		F	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Excessive Heat	900	T	2	0	0	0	0	0	0	0	1	0	0	0	1	0
		M	2	0	0	0	0	0	0	0	1	0	0	0	1	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excessive Cold	901	T	7	0	0	0	0	0	0	1	1	3	1	0	0	1
		M	6	0	0	0	0	0	0	1	1	3	0	0	0	1
		F	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Exposure, Neglect	904	T	7	0	0	0	0	1	0	0	0	0	0	0	6	0
		M	6	0	0	0	0	1	0	0	0	0	0	0	5	0
		F	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Lightning	907	T	2	0	0	0	0	0	0	0	2	0	0	0	0	0
		M	2	0	0	0	0	0	0	0	2	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Disaster	908-909	T	1	0	0	0	0	0	0	1	0	0	0	0	0	0
		M	1	0	0	0	0	0	0	1	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aspiration-Food	911	T	21	0	2	0	1	1	0	1	1	2	2	3	6	2
		M	11	0	1	0	0	0	0	0	1	0	2	2	3	2
		F	10	0	1	0	1	1	0	1	0	2	0	1	3	0
Aspiration-Nonfood	912	T	13	1	0	0	0	0	0	0	0	0	1	3	3	5
		M	5	0	0	0	0	0	0	0	0	0	1	1	2	1
		F	8	1	0	0	0	0	0	0	0	0	0	2	1	4
Suffocation	913	T	10	0	2	0	0	4	1	1	0	0	0	1	1	0
		M	6	0	1	0	0	2	1	1	0	0	0	1	0	0
		F	4	0	1	0	0	2	0	0	0	0	0	0	1	0
Struck by Falling Object	916	T	7	0	0	0	0	1	1	1	1	2	1	0	0	0
		M	7	0	0	0	0	1	1	1	1	2	1	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with Object or Person	917	T	5	0	0	1	0	0	0	2	2	0	0	0	0	0
		M	5	0	0	1	0	0	0	2	2	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caught/Crushed	918	T	1	0	0	0	0	0	0	0	1	0	0	0	0	0
		M	1	0	0	0	0	0	0	0	1	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machinery	919	T	9	0	0	1	0	0	0	1	5	2	0	0	0	0
		M	8	0	0	1	0	0	0	1	4	2	0	0	0	0
		F	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Cutting/Piercing	920	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Explosion	923	T	3	0	0	0	0	0	0	0	0	2	0	1	0	0
		M	3	0	0	0	0	0	0	0	0	2	0	1	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Current	925	T	6	0	0	0	0	0	1	2	2	1	0	0	0	0
		M	6	0	0	0	0	0	1	2	2	1	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intentional Injuries (Total)	950-969	T	704	8	2	2	6	61	65	194	149	76	43	51	32	15
		M	549	4	1	1	4	51	52	149	111	61	34	43	26	12
		F	155	4	1	1	2	10	13	45	38	15	9	8	6	3
Suicide (Total)	950-959	T	546	0	0	0	5	44	50	144	121	58	41	40	28	15
		M	448	0	0	0	3	39	43	120	94	46	32	35	24	12
		F	98	0	0	0	2	5	7	24	27	12	9	5	4	3
Firearm	955	T	297	0	0	0	2	22	31	82	55	29	18	25	22	11
		M	267	0	0	0	2	20	29	70	46	26	17	25	21	11
		F	30	0	0	0	0	2	2	12	9	3	1	0	1	0
Non-Firearm (Total)	950-954, 956-959	T	249	0	0	0	3	22	19	62	66	29	23	15	6	4
		M	181	0	0	0	1	19	14	50	48	20	15	10	3	1
		F	68	0	0	0	2	3	5	12	18	9	8	5	3	3

EXTERNAL CAUSE OF DEATH	ICD9 E-CODE		TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Poison Solids/Liquids	950	T	60	0	0	0	1	2	2	17	19	5	5	7	1	1
		M	32	0	0	0	0	0	1	11	10	3	2	4	1	0
		F	28	0	0	0	1	2	1	6	9	2	3	3	0	1
Motor Vehicle Exhaust	952.0	T	74	0	0	0	0	4	2	17	22	15	7	3	3	1
		M	55	0	0	0	0	4	0	13	17	10	6	3	1	1
		F	19	0	0	0	0	0	2	4	5	5	1	0	2	0
Hanging/Strangulation/Suffocation	953	T	72	0	0	0	2	11	14	21	14	3	6	1	0	0
		M	65	0	0	0	1	10	12	19	14	3	6	0	0	0
		F	7	0	0	0	1	1	2	2	0	0	0	1	0	0
Drowning	954	T	7	0	0	0	0	0	0	0	0	3	3	0	0	1
		M	2	0	0	0	0	0	0	0	0	1	1	0	0	0
		F	5	0	0	0	0	0	0	0	0	2	2	0	0	1
Cutting/Piercing	956	T	5	0	0	0	0	0	0	0	3	0	1	1	0	0
		M	3	0	0	0	0	0	0	0	2	0	0	1	0	0
		F	2	0	0	0	0	0	0	0	1	0	1	0	0	0
Jumping	957	T	9	0	0	0	0	2	0	2	2	0	0	0	2	1
		M	7	0	0	0	0	2	0	2	2	0	0	0	1	0
		F	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Homicide (Total)	960-969	T	152	8	2	2	1	17	15	50	25	15	2	11	4	0
		M	95	4	1	1	1	12	9	29	14	12	2	8	2	0
		F	57	4	1	1	0	5	6	21	11	3	0	3	2	0
Firearm	965	T	77	0	0	1	1	11	10	26	11	10	1	5	1	0
		M	53	0	0	1	1	9	6	18	6	7	1	4	0	0
		F	24	0	0	0	0	2	4	8	5	3	0	1	1	0
Non-Firearm	960-964, 966-969	T	75	8	2	1	0	6	5	24	14	5	1	6	3	0
		M	42	4	1	0	0	3	3	11	8	5	1	4	2	0
		F	33	4	1	1	0	3	2	13	6	0	0	2	1	0
Cutting/Stabbing	966	T	31	0	0	0	0	5	4	10	6	3	1	2	0	0
		M	19	0	0	0	0	3	2	4	5	3	1	1	0	0
		F	12	0	0	0	0	2	2	6	1	0	0	1	0	0
Strangulation	963	T	13	0	0	0	0	0	0	6	6	0	0	0	1	0
		M	4	0	0	0	0	0	0	2	1	0	0	0	1	0
		F	9	0	0	0	0	0	0	4	5	0	0	0	0	0
Other	960-962,964, 967-969	T	29	7	2	1	0	1	1	8	2	2	0	4	1	0
		M	17	3	1	0	0	0	1	5	2	2	0	3	0	0
		F	12	4	1	1	0	1	0	3	0	0	0	1	1	0
Legal Intervention-Firearm	970	T	6	0	0	0	0	0	0	0	3	3	0	0	0	0
		M	6	0	0	0	0	0	0	0	3	3	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Undetermined Intent (Total)	980-989	T	53	1	2	1	1	3	6	11	13	3	5	5	2	0
		M	32	0	1	0	1	2	2	6	7	3	4	4	2	0
		F	21	1	1	1	0	1	4	5	6	0	1	1	0	0
Firearm	985	T	7	0	0	0	1	1	1	4	0	0	0	0	0	0
		M	7	0	0	0	1	1	1	4	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poison Solid/Liquid	980	T	25	0	0	1	0	1	1	6	10	1	3	2	0	0
		M	10	0	0	0	0	0	0	1	5	1	2	1	0	0
		F	15	0	0	1	0	1	1	5	5	0	1	1	0	0
Motor Vehicle Exhaust	982.0	T	6	0	0	0	0	0	2	0	1	0	1	1	1	0
		M	4	0	0	0	0	0	0	0	1	0	1	1	1	0
		F	2	0	0	0	0	0	2	0	0	0	0	0	0	0
Hanging/Strangulation/Suffocation	983	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drowning	984	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		F	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Suicide

Suicide ranks as the seventh leading cause of death in Colorado and the eighth leading cause in the United States. Colorado resident suicides totaled 546 in 1989, 448 male and 98 female. The state's crude suicide rate was 16.5 deaths per 100,000 population. The crude U.S. suicide rate was 12.6 in 1989.

Suicide rates in Colorado and other Rocky Mountain states are higher than those generally seen elsewhere in the country. Higher suicide rates in the west can be traced as far back as data exist. These higher rates occur among all age groups. Colorado's total suicide rates have remained fairly stable over time, rates in the 1980s being comparable to those seen in the 1940s.

The age-adjusted suicide rate for Colorado in 1989 stood at 15.6, the lowest of the decade. The U.S. age-adjusted rate of 11.7 represented little change from rates in the previous 10 years.

Male suicide rates greatly exceed those for females. In 1989, Colorado's male age-adjusted suicide rate was 26.0, over four times higher than the female rate of 5.5. Male suicide rates are higher than female rates in all age groups. The highest suicide rates occur among the elderly, particularly elderly males.

Suicide rates also tend to be lower for blacks than for whites or Hispanics. In 1989, the black age-adjusted suicide rate of 6.0 was much lower than either the white (non-Spanish origin) rate of 16.1 or the Hispanic (white, Spanish origin) rate of 15.1.

Teen suicide rates in Colorado have increased in recent years. Forty-nine resident teens committed suicide in 1989, 42 male and 7 female. Of these, 5 were aged 10-14 and 44 were aged 15-19.

There were also 49 suicides to Coloradans under age 20 in 1988. Of these, 1 was aged 5-9, 4 were aged 10-14, and 44 were aged 15-19.

The suicide rate for Colorado teens aged 15-19 was 19.5 deaths per 100,000 population in 1989. This and a rate of 19.5 in 1986 were the highest suicide rates in the age group since at least 1970. The teen male rate of 33.4 in 1989 also was the highest since at least 1970.

Firearms were the suicide method used in 297 Colorado suicides in 1989, 54.4 percent of the total 546. Firearms were more frequently used by male suicides (267 deaths, 59.6 percent of suicides) than females (30 deaths, 30.6 percent), but firearms were the number one suicide method for both sexes in 1989.

Firearms were the leading suicide method for all ages. The highest proportions occurred among men aged 65 and older, for whom 81.7 percent of suicides were by firearms. As already noted, males aged 65 and older are also the group for whom suicide rates are the highest.

Motor vehicle exhaust gas or other carbon monoxide was used in 80 suicides. Motor vehicles were used in 74 of these deaths.

Hanging or strangulation claimed 72 suicides. Poisoning by solid or liquid substances, largely medicaments such as tranquilizers, were used in 60 deaths. Nine Coloradans jumped to their deaths from high places.

Of the remainder, 7 suicides were from drowning, 7 from motor vehicle crashes, 5 from cutting or piercing, 4 from burns or fire, 3 from jumping before a moving object, 1 from poisoning by gases in domestic use, and 1 from another method.

Suicide methods varied by sex, with poisoning by solid or liquid substances ranking second for women (28 deaths) and hanging or strangulation ranking second for men (65 deaths).

One caution in using suicide data is the possibility that counts may be underreported. If decedents do not leave sufficient evidence to indicate suicide, it is possible for the deaths to be classified either as being from unintentional injuries or injuries where intent could not be determined. A total of 53 Coloradans died from injuries of undetermined intent in 1989.

Homicide and Legal Intervention

Homicide and legal intervention claimed the lives of 158 Coloradans in 1989, the fewest since 153 deaths in 1971. Of the total 158 deaths in 1989, 152 were from homicide and 6 were from legal intervention.

Colorado's crude homicide (The term as used here includes legal intervention deaths.) rate of 4.8 deaths per 100,000 population was the lowest since the 1960s. The state's rate averages lower than the U.S. rate, which stood at 9.3 in 1989.

Colorado's age-adjusted death rate for homicide also is lower than the national rate. In 1989, the state's age-adjusted homicide rate of 4.7, the lowest since at least 1980, was exactly half the U.S. rate of 9.4.

Male homicides accounted for 101 of the total 158, 63.9 percent. All 6 legal intervention deaths were to males. The crude male rate of 6.1 in 1989 compared with a female rate of 3.4.

Homicide rates are highest for both males and females among the infant population. Rates for the adolescent and young adult age groups 15-34 follow.

Homicide rates vary drastically by race and ethnicity, with age-adjusted death rates for blacks and Hispanics exceeding those for whites. In 1989, the age-adjusted homicide rate for blacks was 20.2 deaths per 100,000 population. The rate of homicide for Hispanics was 10.0. In comparison, the homicide rate for whites was only 3.1. Rates for both sexes were higher for blacks and Hispanics, highest for black males at 30.1 and lowest for white females at 2.6.

Firearms were the method used in 77 of the 152 homicides (excluding the 6 legal intervention deaths, all from firearms), 50.7 percent of total. Cutting and stabbing caused 31 deaths and hanging or strangulation caused 13 deaths. Child battering or other maltreatment was the underlying cause reported for 8 deaths, 6 infants and 2 children aged 1-4.

Users should note that these data are based on causes of death reported on resident death certificates and that counts will differ from those obtained from law enforcement and other sources.

Injuries of Undetermined Intent

Deaths to Colorado residents from injuries of undetermined intent totaled 53 in 1989, 32 males and 21 females. These are deaths in which the physicians and coroners completing the death certificate could not determine the intent of the injuries leading to death. They included 1 infant, 4 children aged 1-14, 9 adolescents and young adults aged 15-24, 24 adults aged 25-44, and 15 adults aged 45 and older.

Poisoning by solid or liquid substances was responsible for almost half of Colorado injury deaths of undetermined intent in 1989, 25 of the total 53. Motor vehicle exhaust or other carbon monoxide killed 8 Coloradans where intent was not determined. Firearms caused 7 deaths.

Nature of Injury

Underlying cause-of-death statistics report the circumstances of the accident or violence that produced fatal injuries. All International Classification of Disease codes and categories used in this discussion have been for external causes of death (reported as E-codes) that describe agents and intents. The actual injuries involved (e.g. fractures, open wounds) are not described.

Information on the nature of injuries reported on death certificates are compiled and offer a way to assess the types of injuries suffered in comparison to the external circumstances that caused them. Table 84 shows the nature of injuries (reported as N-codes) for Colorado resident deaths in 1989 by underlying cause.

In 1989, N-codes for specific injuries appeared on records for 2,455 deaths, down from 2,553 in 1988 and 2,668 in 1987. Intracranial injury (excluding skull fracture) was mentioned in 648 deaths, followed by effects of poisoning (508 deaths), open wounds (428), fractures, dislocations, sprains and strains (428), traumatic complications and unspecified injuries (368), internal injury of chest, abdomen and pelvis (353), and complications of medical care (315).

Intracranial injuries were reported in over half (53.0 percent) of motor vehicle accident deaths. Internal injury of chest, abdomen and pelvis was reported in 41.8 percent of these deaths, closely followed by traumatic complications and unspecified injuries in 39.4 percent.

Open wounds were reported in 52.4 percent of suicides, reflecting firearm use as a method. The effects of poisoning were reported for 41.0 percent of suicides.

Open wounds also were reported for large proportions (70.9 percent) of homicides and legal intervention deaths, consistent with deaths from both firearms and stabbing. Intracranial injury was reported for 28.5 of homicides, and internal injury of the chest, abdomen and pelvis was reported for 23.4 percent of homicides.

Place of Incident for Injury Deaths

Table 85 shows places of incident reported for selected causes of injury deaths in 1989.

The home was the place of incident for 21.4 percent of all injury deaths with this information reported. The home was the site of 37.9 percent of non-transportation unintentional injuries, 73.7 percent of suicides, and 65.7 percent of homicides and legal intervention deaths. Street, highway, or sidewalk was the place of incident for 36.7 percent of fatal injuries, largely with motor vehicle and other transportation deaths.

Pneumonia and Influenza

Pneumonia and influenza killed 885 Coloradans in 1989, about 100 fewer deaths than in 1988. The state's crude death rate for pneumonia and influenza was 26.7 deaths per 100,000 population in 1989, compared to the U.S. rate of 30.3. Crude rates have changed little over the last 10 years or so in Colorado.

Colorado's age-adjusted death rate for pneumonia and influenza actually averaged slightly higher than the U.S. rate in the 1980s. In 1989, however, Colorado's age-adjusted death rate was 13.2, the lowest of the decade, and the U.S. rate was 13.3.

Pneumonia accounted for 860 of the 885 total deaths from these causes in 1989. Influenza claimed 25 deaths. These causes are associated in standard cause-of-death listings because of their similarity in affecting the respiratory system and because of influenza's leading to pneumonia in many cases. The lack of specificity in the majority of pneumonia deaths (695 deaths had organism unspecified) challenges attempts to assess the real impact of influenza on mortality.

In terms of actual death counts, more women than men die from pneumonia and influenza. However, higher counts of female deaths result simply from the fact that there are more women in the older populations for which pneumonia and influenza are special risks. Death rates actually were higher among men than women for nearly all age groups in 1989.

Death rates from pneumonia and influenza increase with age and rank as the fourth leading (underlying) cause among people aged 85 years and older.

Other Selected Causes of Death

Alzheimer's Disease (ICD9 331.0) - Alzheimer's disease was the underlying cause of death for 150 Coloradans in 1989, down from 180 in 1988. This was the first decrease in reporting since the growing awareness of Alzheimer's disease as a significant health problem led to increases in death-certificate reporting in the early 1980s.

In 1983, 61 deaths had Alzheimer's disease as the underlying cause. The number increased to 89 in 1984, 119 in 1985, 141 in 1986, 157 in 1988, and peaked at 180 in 1988. Deaths predictably are concentrated among the elderly. It is not known how many of the deaths with Alzheimer's disease as the underlying cause relied on clinical findings for the death certificate entries.

Parkinson's Disease (332) - Parkinson's disease deaths totaled 90 in 1989, compared to 72 in 1988, 93 in 1987, 70 in 1986 and 69 in 1986. Males accounted for two-thirds (60) of the deaths. All Parkinson's disease deaths in 1989 were to Coloradans aged 60 and older.

Huntington's Chorea (333.4) - Three Coloradans, all male, died from Huntington's chorea in 1989, compared to 0 in 1988, 7 in 1987, 6 in 1986, and 5 in 1985.

Motor Neurone Disease (335.2) - Forty-two deaths in 1989 were from motor neurone disease, which includes amyotrophic lateral sclerosis, or Lou Gehrig's disease. Males accounted for 27 deaths and females 15 deaths. Decedents ranged in age from the early 30s to the late 90s. Deaths totaled 39 in 1988 and 37 in 1987.

Multiple Sclerosis (340) - Multiple sclerosis deaths numbered 28 in 1989, 19 female and 9 male. Ages ranged between the early 30s and the early 80s. There were 33 multiple sclerosis deaths in 1988.

Muscular Dystrophy and Other Myopathies (359) - Seven Coloradans died from these muscle diseases in 1989, 5 from hereditary progressive muscular dystrophy and 2 from other myopathies.

Systemic Lupus Erythematosus (710.0) - Twenty-four Colorado deaths from systemic lupus erythematosus occurred in 1989, 19 female and 5 male. Deaths totaled 10 in 1988, 22 in 1987, 9 in 1986 and 11 in 1985. Fourteen of the deaths were to people under age 50.

Table 84. Nature of Injuries Reported on Death Certificates as Contributory Causes or Other/ Significant Conditions by Selected Underlying Cause Categories, Colorado Residents, 1989

				UNDERLYING CAUSE OF DEATH									
NATURE OF INJURY	ICD9 N-CODE	ALL CAUSES		ALL DISEASES (001-799)		MOTOR VEHICLE ACCIDENTS (E810-E825)		NON-TRANSPORTATION ACCIDENTS (E850-E949)		SUICIDE (E950-E959)		HOMICIDE LEGAL INTERVENTION (E960-E978)	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Injuries and Poisonings	800-999	2,455	11.7	626	3.3	554	99.3	454	100.0	538	98.5	155	98.1
Fractures, Dislocations, Sprains, Strains	800-848	428	2.0	140	0.7	151	27.1	106	23.3	12	2.2	13	8.2
Intracranial Injury, Excl. Skull Fracture	850-854	648	3.1	15	0.1	296	53.0	99	21.8	150	27.5	45	28.5
Internal Injury of Chest, Abdomen, Pelvis	860-869	353	1.7	4	0.0	233	41.8	25	5.5	32	5.9	37	23.4
Open Wound	870-897	428	2.0	2	0.0	5	0.9	14	3.1	286	52.4	112	70.9
Injury to Blood Vessels	900-904	78	0.4	3	0.0	42	7.5	6	1.3	8	1.5	17	10.8
Late Effects of Injury, Poisoning	905-909	48	0.2	32	0.2	0	0.0	14	3.1	1	0.2	0	0.0
Superficial Injury, Contusion	910-929	28	0.1	1	0.0	13	2.3	9	2.0	2	0.4	2	1.3
Effects of Foreign Body Entering through Orifice	930-939	170	0.8	124	0.6	2	0.4	39	8.6	2	0.4	3	1.9
Burns	940-949	28	0.1	1	0.0	5	0.9	12	2.6	4	0.7	2	1.3
Injury to Nerves, Spinal Cord	950-957	24	0.1	3	0.0	15	2.7	2	0.4	0	0.0	3	1.9
Traumatic Complications, Unspecified Injuries	958-959	368	1.7	10	0.1	220	39.4	73	16.1	16	2.9	24	15.2
Poisoning, Effects of External Causes	960-995	508	2.4	29	0.2	15	2.7	163	35.9	224	41.0	26	16.5
Complications of Medical Care	996-999	315	1.5	281	1.5	3	0.5	31	6.8	0	0.0	0	0.0
Total Deaths		21,056	-	19,211	-	558	-	454	-	546	-	158	-

Columns will not add to total deaths because more than one nature-of-injury category may be reported for the same death. Rows will not add to total for "All Causes" because some underlying cause categories are excluded.

Table 85. Deaths from Selected Injury Causes by Place of Incident: Colorado Residents, 1989

			PLACE OF INCIDENT AS REPORTED ON DEATH CERTIFICATE									
EXTERNAL CAUSE	ICD9 E-CODE	TOTAL	HOME	FARM, RANCH	MINE, QUARRY	INDUS-TRIAL SITE	RECRE-ATION SITE	STREET, HIGHWAY, SIDEWALK	PUBLIC BLDG	RESIDENT INSTI-TUTION	OTHER SPECIFIED PLACE	UNKNOWN/ NOT STATED
All Injuries (Total)	800-999	1,816	668	17	7	29	50	592	91	47	112	203
Unintentional Injuries (Total)	800-949	1,058	170	11	7	19	29	542	56	28	59	137
Transportation (Total)	800-848	633	9	5	0	7	10	524	37	0	28	13
Motor Vehicle-Traffic (Total)	810-819	540	1	1	0	0	3	518	0	0	4	13
Motor Vehicle-Train	810	4	0	0	0	0	0	4	0	0	0	0
Motor Vehicle Occupant	810-819	425	0	1	0	0	3	404	0	0	4	13
Motorcyclist	810-819	38	0	0	0	0	0	38	0	0	0	0
Bicyclist	810-819(.6)	12	0	0	0	0	0	12	0	0	0	0
Pedestrian	810-819(.7)	64	1	0	0	0	0	63	0	0	0	0
Pedestrian-Nontraffic	822.7	11	6	1	0	1	1	0	0	0	2	0
Pedestrian-Train	805.2	4	0	0	0	4	0	0	0	0	0	0
Aircraft	840-845	62	0	2	0	0	3	1	37	0	19	0
Drowning (Total)	830,832,910	38	13	0	0	0	13	1	1	0	7	3
Boat-related	830,832	2	0	0	0	0	2	0	0	0	0	0
Non-Boat	910	36	13	0	0	0	11	1	1	0	7	3
Recreational	910	2	0	0	0	0	2	0	0	0	0	0
Bathtub	910.4	7	6	0	0	0	0	0	1	0	0	0
Poisoning (Total)	850-869	76	40	0	0	0	2	2	2	0	1	29
Solids/Liquids (Total)	850-866	65	31	0	0	0	0	2	2	0	1	29
Opiates	850.0	12	7	0	0	0	0	0	2	0	0	3
Barbiturates	851	0	0	0	0	0	0	0	0	0	0	0
Tranquilizers	853	0	0	0	0	0	0	0	0	0	0	0
Local Anesthetics Including Cocaine	855.2	14	8	0	0	0	0	1	0	0	0	5
Alcohol	860	9	4	0	0	0	0	1	0	0	0	4
Gas/Vapor (Total)	867-869	11	9	0	0	0	2	0	0	0	0	0
Motor Vehicle Exhaust	868.2	2	2	0	0	0	0	0	0	0	0	0
Falls (Total)	880-888	170	66	1	0	1	2	6	9	24	12	49
Stairs	880	24	19	0	0	0	0	0	2	1	0	2
Ladder/Scaffold	881	3	3	0	0	0	0	0	0	0	0	0
Building/Structure	882	6	1	0	0	1	0	1	3	0	0	0
Different Level	884	15	0	1	0	0	2	0	2	3	7	0
Same Level	885	15	4	0	0	0	0	2	0	2	0	7
Other/Unspecified	883,886-888	107	39	0	0	0	0	3	2	18	5	40
Fires and Burns (Total)	890-899,924	17	15	0	0	1	0	0	1	0	0	0
Fires/Burns Excluding Scalds	890-899	17	15	0	0	1	0	0	1	0	0	0
Housefires	890	11	11	0	0	0	0	0	0	0	0	0
Clothing Ignition	893	2	2	0	0	0	0	0	0	0	0	0
Scalds/Caustic Substances/Hot Objects	924	0	0	0	0	0	0	0	0	0	0	0
Other Unintentional	(Residual)	126	27	5	7	10	4	9	6	4	11	43
Firearm	922	11	9	1	0	0	0	0	0	0	1	0
Excessive Heat	900	2	0	0	0	0	0	1	0	0	1	0
Excessive Cold	901	7	0	0	0	0	1	3	1	0	1	1
Exposure, Neglect	904	7	1	0	0	0	0	0	0	0	2	4
Lightning	907	2	1	0	0	0	0	0	0	0	1	0
Natural Disaster	908-909	1	0	0	0	0	0	0	0	0	1	0
Aspiration-Food	911	21	4	0	0	0	0	0	2	2	0	13
Aspiration-Nonfood	912	13	2	0	0	0	0	0	0	0	0	11
Suffocation	913	10	4	0	3	0	1	0	0	2	0	0
Struck by Falling Object	916	7	1	0	1	3	0	1	0	0	1	0

			PLACE OF INCIDENT AS REPORTED ON DEATH CERTIFICATE									
EXTERNAL CAUSE	ICD9 E-CODE	TOTAL	HOME	FARM, RANCH	MINE, QUARRY	INDUSTRIAL SITE	RECREATION SITE	STREET, HIGHWAY, SIDEWALK	PUBLIC BLDG	RESIDENT INSTITUTION	OTHER SPECIFIED PLACE	UNKNOWN/ NOT STATED
Collision with Object or Person	917	5	0	0	0	3	1	1	0	0	0	0
Caught/Crushed	918	1	0	1	0	0	0	0	0	0	0	0
Machinery	919	9	1	1	2	2	0	0	1	0	2	0
Cutting/Piercing	920	0	0	0	0	0	0	0	0	0	0	0
Explosion	923	3	1	0	1	0	0	0	1	0	0	0
Electric Current	925	6	2	1	0	2	0	0	0	0	1	0
Intentional Injuries (Total)	950-970	704	473	6	0	8	20	46	35	18	51	47
Suicide (Total)	950-959	546	381	5	0	8	18	31	25	15	34	29
Firearm	955	297	224	2	0	1	7	16	11	0	20	16
Non-Firearm (Total)	950-954, 956-959	249	157	3	0	7	11	15	14	15	14	13
Poison Solids/ Liquids	950	60	45	0	0	0	1	0	4	3	1	6
Motor Vehicle Exhaust	952.0	74	51	2	0	3	3	6	1	0	5	3
Hanging/Strangulation/Suffocation	953	72	46	1	0	2	2	0	7	10	2	2
Drowning	954	7	2	0	0	0	2	0	0	0	3	0
Cutting/Piercing	956	5	4	0	0	0	0	0	1	0	0	0
Jumping	957	9	4	0	0	0	1	3	0	1	0	0
Homicide (Total)	960-969	152	89	1	0	0	2	14	9	3	16	18
Firearm	965	77	46	1	0	0	0	7	7	0	7	9
Non-Firearm	960-964, 966-969	75	43	0	0	0	2	7	2	3	9	9
Cutting/Stabbing	966	31	16	0	0	0	2	5	1	1	2	4
Strangulation	963	13	7	0	0	0	0	0	1	1	2	2
Other	960-962, 964,967-969	29	18	0	0	0	0	2	0	1	5	3
Legal Intervention - Firearms	970	6	3	0	0	0	0	1	1	0	1	0
Undetermined Intent (Total)	980-989	53	25	0	0	2	1	4	0	1	2	18
Firearm	985	7	6	0	0	1	0	0	0	0	0	0
Poison Solid/Liquid	980	25	12	0	0	0	0	0	0	0	1	12
Motor Vehicle Exhaust	982.0	6	3	0	0	0	1	2	0	0	0	0
Hanging/Strangulation/ Suffocation	983	0	0	0	0	0	0	0	0	0	0	0
Drowning	984	0	0	0	0	0	0	0	0	0	0	0

Subcategories are not comprehensive and may not add to total. Motor vehicle traffic is a subcategory of total motor vehicle appearing elsewhere in this report.

Years of Potential Life Lost

Most deaths occur among older age groups. Most leading-cause-of-death data therefore are dominated by the disease processes of the elderly. Another way of measuring the impact of specific causes of death on a population is the statistic of years of potential life lost (YPLL), which gives a measure of the relative impact of causes of death on what may be considered as premature mortality.

Several methods exist for calculating YPLL. Two are provided here. In the first, YPLL is defined as the number of years of potential life lost by each death occurring before age 65 years.

An alternative is to calculate YPLL using the total life expectancy for each death. In the life expectancy method for YPLL, the years of life lost by each death are determined by the difference between the age at death and the remaining life expectancy at that age as established by a complete life table.

Table 86 shows YPLL to Colorado residents dying in 1988 and 1989 from selected causes of death. Both methods appear in the table. Percentages and rates are included.

YPLL for both methods were calculated by sex and exact age before summation. Rates for YPLL before age 65 are per 10,000 population less than 65 years of age, while rates for YPLL based on life expectancy method are per 10,000 population of all ages.

YPLL before Age 65

In 1989, there were 136,064 years of potential life lost before age 65 by Colorado resident deaths from all causes. YPLL before age 65 totaled 140,252 in 1988 and 143,821 in 1987.

Unintentional injuries continued to rank first in YPLL before age 65, with one-fifth of the total.

When unintentional injuries were divided by type, malignant neoplasms ranked first for the first time, increasing in YPLL while motor vehicle injuries, formerly first, decreased. Suicide ranked third, heart disease fourth, and perinatal conditions fifth. Other unintentional injuries ranked sixth, followed by congenital anomalies, HIV infection, homicide, and chronic liver disease and cirrhosis.

The greatest increases in YPLL before age 65 occurred among deaths from HIV infection. YPLL increased from 4,279 in 1988 to 6,071 in 1989, a 41.9 percent increase in only one year's time.

YPLL from Life Expectancy

The relative impact of chronic diseases is more apparent with YPLL calculated from life expectancy. Malignant neoplasms increased to rank first in 1989, with heart disease decreasing to second. Motor vehicle injuries ranked third, followed by suicide, chronic obstructive pulmonary diseases, other unintentional injuries, cerebrovascular diseases, perinatal conditions, congenital anomalies, and pneumonia and influenza.

Care should be used in comparing YPLL statistics from different sources because these statistics may be calculated in other ways than those shown here.

Infectious and Parasitic Disease Deaths

Infectious and parasitic diseases (excluding acute respiratory infections, influenza and infections specific to the perinatal period) claimed the lives of 496 Coloradans in 1989, up from 476 in 1988. Eighty percent of deaths in these disease categories were from two causes. Deaths from human immunodeficiency virus infections (HIV infection, or AIDS) totaled 220, exceeding those from septicemia (presence of bacterial toxins in the blood) for the first time. Deaths from HIV infection are detailed separately following this discussion.

Septicemia deaths totaled 181 in 1989. Septicemia is an example of a condition that is reported on death certificates much more often than it is selected as an underlying cause of death. Reported versus underlying cause of death is treated later in this section. About three-fourths of deaths from septicemia occur among Coloradans aged 65 and older.

Table 87 shows deaths from parasitic and infectious diseases by age in 1989. Viral hepatitis of all types claimed 18 lives, compared to 20 in 1988. As the table shows, the specific type of hepatitis was not named for 12 of the 18 deaths.

Deaths from tuberculosis totaled 15. One decedent was aged 35-44, 2 were aged 55-64, and 12 were aged 65 and older. Numbers of deaths from tuberculosis ranged between 5 and 16 in the years since 1980. Tuberculosis ranked in the top 10 causes of death as late as the 1940s, claiming the lives of 457 Coloradans in 1940.

Decreases in mortality from infectious diseases have contributed greatly to longevity in this century. As late as 1940, syphilis caused 89 deaths to Coloradans, measles and diphtheria killed 15 Coloradans each, and poliomyelitis caused 12 deaths. The appearance and spread of HIV infection in the last decade run counter to this historic trend. Continuing increases in HIV infection mortality point to the dangers communicable diseases still can present to an unprepared population.

Human Immunodeficiency Virus Infection (HIV Infection) Acquired Immunodeficiency Syndrome (AIDS)

These two terms refer to the same conditions in mortality data. HIV infection is the cause of AIDS and is the term that has become standard to describe the underlying cause of the many conditions (e.g. pneumocystosis, Kaposi's sarcoma and other malignancies) it enables to manifest.

HIV infection killed 220 Coloradans in 1989, making it the 11th leading cause of death in the state. Deaths have increased from 168 in 1988 and 133 in 1987, which was the first year that changes in disease classifications permitted compilation of data consistent with those for other causes of death.

The Colorado crude death rate for HIV infection was 6.6 deaths per 100,000 population in 1989, compared to the slightly higher national rate of 8.6. Age adjustment maintains this difference, with a rate of 6.1 in Colorado and 8.3 in the United States in 1989.

Colorado males continue to die from HIV infection at a much higher rate than females. In 1989, 215 of the 220 resident deaths were male, 97.7 percent of total. The male age-adjusted death rate of 11.8 compared with a female rate of 0.3.

Decedents ranged in age from infancy to the late 60s. Three-fourths of deaths occurred to men aged 25-44. HIV infection was the third leading cause of death among men in this age group in 1989, ranking after unintentional injuries and suicide.

Minority Coloradans died at greater rates from HIV infection in 1989 than did whites. While whites accounted for about three-fourths of deaths in 1989, age-adjusted death rates show a disparity in mortality with minorities dying in greater proportions than their share of the population. In 1989, 23 black Coloradans died from HIV infection.

The Colorado age-adjusted HIV infection death rate for whites was 5.4 in 1989, lower than the rate of 8.1 for Hispanics and the rate of 10.5 experienced by blacks. Male rates showed even greater discrepancies, the black male rate of 26.5 ranking seventh among the leading causes for this group. The black male rate was exactly two-and-a-half times higher than the white male rate of 10.6. The Hispanic male rate was 15.4. Finally, 3 of the 5 female HIV infection deaths were to blacks and 1 was to a Hispanic.

Table 88 shows selected HIV infection death statistics for 1989. Users should note that these data are compiled from death certificates in a manner consistent with other cause-of-death data. Counts will differ from disease-report data, which are compiled by place where diagnosis was first made.

Maternal Deaths

Four Colorado resident women died from complications of pregnancy, childbirth and the puerperium (ICD9 630-676) in 1989. The number of maternal deaths has ranged between 1 and 6 annually since 1978. These data are for deaths from causes directly related to maternity. Deaths to pregnant women or new mothers from other causes are not included.

As Table 89 shows, the number of maternal deaths decreased substantially between 1940 and the mid-1960s. The state's maternal mortality rate decreased over this time from a high of 41.1 maternal deaths per 10,000 live births in 1940 to its present level of less than 1.0. Figure 42 compares Colorado and U.S. maternal mortality rates over time. The state's maternal mortality rate was 0.8 in 1989, compared to the U.S. rate of 0.6.

Each of the 4 maternal deaths in 1989 was from a different cause. Causes of death were ectopic pregnancy (development of ovum outside the uterus), infection that was a complication of a legally induced termination of pregnancy, hemorrhage from placenta previa (a placenta that develops in the lower uterine segment), and postpartum (after delivery) hemorrhage.

Table 86. Years of Potential Life Lost (YPLL) before Age 65 and before Life Expectancy Colorado Residents, 1988 and 1989

CAUSE OF DEATH	1988 YPLL	1988 RANK	1988 PERCENT	1988 RATE	1989 YPLL	1989 RANK	1989 PERCENT	1989 RATE
YPLL BEFORE AGE 65:								
All Causes	140,252	-	100.0	469.9	136,064	-	100.0	454.9
Accidents (Total Unintentional Injuries)	27,773	(1)	19.8	93.0	26,659	(1)	19.6	89.1
Motor Vehicle	17,716	1	12.6	59.4	16,806	2	12.4	56.2
All Other	10,057	6	7.2	33.7	9,853	6	7.2	32.9
Malignant Neoplasms	18,210	2	13.0	61.0	19,185	1	14.1	64.1
Suicide	14,621	3	10.4	49.0	13,893	3	10.2	46.5
Heart Disease	13,405	4	9.6	44.9	11,887	4	8.7	39.7
Perinatal Conditions	12,870	5	9.2	43.1	11,570	5	8.5	38.7
Congenital Anomalies	9,203	7	6.6	30.8	8,331	7	6.1	27.9
HIV Infection (AIDS)	4,279	9	3.1	14.3	6,071	8	4.5	20.3
Homicide	6,323	8	4.5	21.2	5,090	9	3.7	17.0
Chronic Liver Disease and Cirrhosis	2,549	11	1.8	8.5	2,779	10	2.0	9.3
Cerebrovascular Diseases	2,594	10	1.8	8.7	2,229	11	1.6	7.5
Pneumonia and Influenza	2,013	12	1.4	6.7	1,822	12	1.3	6.1
Chronic Obstructive Pulmonary Diseases	1,570	14	1.1	5.3	1,784	13	1.3	6.0
Diabetes Mellitus	1,734	13	1.2	5.8	1,348	14	1.0	4.5
All Other	23,108	-	16.5	77.4	23,416	-	17.2	78.3
YPLL USING THE LIFE EXPECTANCY METHOD:								
All Causes	361,932	-	100.0	1,096.7	361,601	-	100.0	1,090.2
Malignant Neoplasms	72,714	2	20.1	220.3	77,290	1	21.4	233.0
Heart Disease	75,709	1	20.9	229.4	71,650	2	19.8	216.0
Accidents (Total Unintentional Injuries)	40,636	(3)	11.2	123.1	39,813	(3)	11.0	120.0
Motor Vehicle	24,686	3	6.8	74.8	24,018	3	6.6	72.4
All Other	15,950	5	4.4	48.3	15,795	6	4.4	47.6
Suicide	21,989	4	6.1	66.6	20,566	4	5.7	62.0
Chronic Obstructive Pulmonary Diseases	15,469	6	4.3	46.9	16,706	5	4.6	50.4
Cerebrovascular Diseases	14,139	8	3.9	42.8	14,098	7	3.9	42.5
Perinatal Conditions	15,093	7	4.2	45.7	13,642	8	3.8	41.1
Congenital Anomalies	11,380	9	3.1	34.5	10,276	9	2.8	31.0
Pneumonia and Influenza	9,479	10	2.6	28.7	8,790	10	2.4	26.5
HIV Infection (AIDS)	6,254	13	1.7	19.0	8,682	11	2.4	26.2
Chronic Liver Disease and Cirrhosis	6,255	12	1.7	19.0	7,229	12	2.0	21.8
Homicide	8,712	11	2.4	26.4	7,174	13	2.0	21.6
Diabetes Mellitus	5,982	14	1.7	18.1	6,521	14	1.8	19.7
All Other	79,070	-	21.8	239.6	80,088	-	22.1	241.5

YPLL before age 65 was calculated from each age at death (not midpoint of age group interval). YPLL using life expectancy method was calculated for each death from age at death and expected years of life remaining as presented in Colorado resident life tables for 1988 and 1989. Rate for YPLL before age 65 is per 10,000 persons less than 65 years of age. Rate for YPLL using life expectancy method is per 10,000 total population.

Table 87. Deaths from Infectious and Parasitic Diseases by Age: Colorado Residents, 1989

DISEASE/ICD9 CODE	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total Infectious and Parasitic Diseases	496	11	4	5	5	85	105	48	45	57	66	65
Salmonella Infection (003)..............	3	1	0	0	0	0	1	0	0	0	1	0
Intestinal Infection Due to Other Organisms (008).........................	2	0	0	0	0	0	0	0	1	0	1	0
Ill-Defined Intestinal Infections (009).	2	0	0	0	0	0	0	0	1	0	0	1
Tuberculosis (010-018)..................	15	0	0	0	0	0	1	0	2	5	1	6
Other Zoonotic Bacterial Diseases - Listeriosis (027.0)....................	0	0	0	0	0	0	0	0	0	0	0	0
Diseases Due to Other Mycobacteria (031)	5	0	0	0	0	0	1	0	3	0	0	1
Streptococcal Sore Throat (034.0).......	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Infection (036)...........	1	0	1	0	0	0	0	0	0	0	0	0
Septicemia (038)........................	181	3	0	1	1	2	7	12	15	38	54	48
Actinomycotic Infections (039)..........	0	0	0	0	0	0	0	0	0	0	0	0
Other Bacterial Diseases (040)..........	2	0	0	0	0	0	0	0	0	0	1	1
Bacterial Infection in Conditions Classified Elsewhere and of Unspecified Site (041)............................	0	0	0	0	0	0	0	0	0	0	0	0
Human Immunodeficiency Virus Infection (042-044)...............................	220	2	0	0	4	83	90	30	10	1	0	0
Slow Virus Infection of Central Nervous System (046)...........................	2	0	0	0	0	0	0	0	1	1	0	0
Other Non-Arthropod-Borne Viral Diseases of Central Nervous System (049)........	0	0	0	0	0	0	0	0	0	0	0	0
Chickenpox (052)........................	2	0	0	2	0	0	0	0	0	0	0	0
Herpes Simplex (054)....................	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis A (070.0,070.1).........	2	0	0	0	0	0	1	0	0	1	0	0
Viral Hepatitis B (070.2,070.3).........	4	0	0	0	0	0	0	0	0	3	0	1
Unspecified Viral Hepatitis (070.6,070.9)	12	0	0	0	0	0	1	1	5	1	3	1
Other Diseases Due to Viruses and Chlamydiae (078)......................	2	1	0	0	0	0	0	0	0	0	0	1
Viral Infection in Conditions Classified Elsewhere and of Unspecified Site (079)	3	0	0	0	0	0	0	0	1	0	0	2
Syphilis (090-097)......................	1	0	0	0	0	0	0	0	0	1	0	0
Candidiasis (112).......................	9	1	0	1	0	0	1	2	0	2	2	0
Histoplasmosis (115)....................	2	0	0	0	0	0	0	0	1	0	1	0
Other Mycoses (117).....................	9	0	1	0	0	0	2	1	1	2	2	0
Other and Unspecified Infectious and Parasitic Diseases - Pneumocystosis (136.3)................................	11	3	1	1	0	0	0	2	2	1	0	1
Other and Unspecified Infectious and Parasitic Diseases - Unpsecified (136.9)	3	0	0	0	0	0	0	0	0	1	0	2
Late Effects of Tuberculosis (138)......	1	0	0	0	0	0	0	0	1	0	0	0
Late Effects of Other Infectious and Parasitic Diseases (139)...............	2	0	1	0	0	0	0	0	1	0	0	0

Table 88. Selected Characteristics of Deaths with HIV Infection (AIDS) as the Underlying Cause Colorado Residents, 1989

SPECIFIC ICD9 CODES SELECTED AS UNDERLYING CAUSE:

CATEGORY	DEATHS
Human immunodeficiency virus infection (*042-*044)	220
Human immunodeficiency virus infection with specified conditions (*042)	215
With specified infections (*042.0)	42
Causing other specified infections (*042.1)	35
With specified malignant neoplasms (*042.2)	26
Acquired immunodeficiency syndrome, unspecified (*042.9)	112
Human immunodeficiency virus infection causing other specified conditions (*043)	0
Causing lymphadenopathy (*043.0)	0
Causing specified diseases of the central nervous system (*043.1)	0
Causing other disorders involving the immune mechanism (*043.2)	0
Causing other specified conditions (*043.3)	0
Acquired immunodeficiency syndrome-related complex, unspecified (*043.9)	0
Other human immunodeficiency virus infection (*044)	5
Causing specified acute infections (*044.0)	0
Human immunodeficiency virus infection, unspecified (*044.9)	5

AGE AND SEX OF DECEDENTS:

SEX	TOTAL	INFANT	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	220	2	0	0	0	0	4	83	90	30	10	1	0	0
Male	215	1	0	0	0	0	4	83	87	29	10	1	0	0
Female	5	1	0	0	0	0	0	0	3	1	0	0	0	0

RESIDENT DEATHS BY COUNTY OF RESIDENCE:

COUNTY	DEATHS	COUNTY	DEATHS	COUNTY	DEATHS
Colorado Total	220	Denver	139	Las Animas	1
Adams	12	Fremont	2	Pueblo	7
Arapahoe	17	Gilpin	1	Routt	1
Bent	1	Grand	1	Summit	1
Boulder	2	Jefferson	16	Weld	3
El Paso	12	Larimer	3	Yuma	1

RACE, SPANISH ORIGIN OF DECEDENTS:

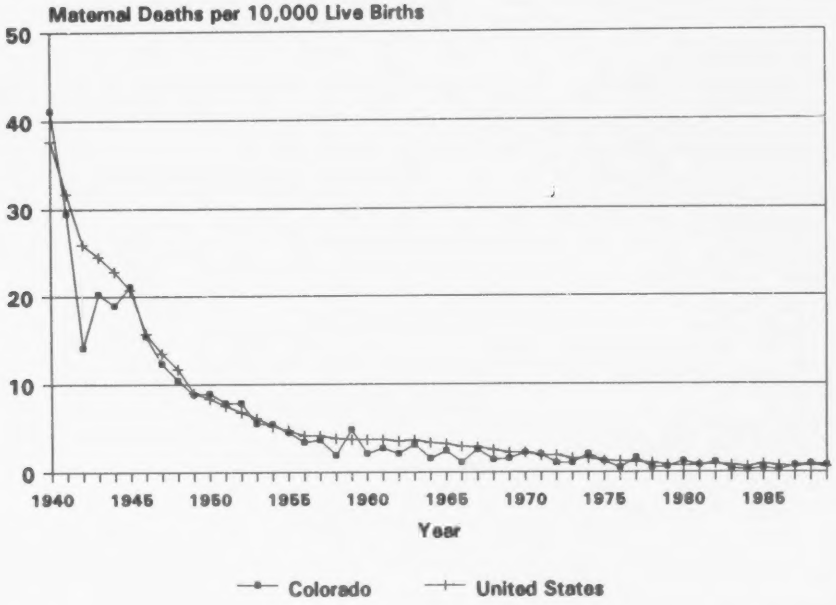
RACE	TOTAL	MALE	FEMALE
Total Deaths	220	215	5
Total White	195	193	2
Non-Spanish Origin White	161	160	1
Spanish Origin White	34	33	1
Black	23	20	3
Native American	2	2	0
Unknown/Not Stated	0	0	0

Table 89. Maternal Deaths and Maternal Mortality Rates: Colorado Residents and United States, 1940-1989

		MATERNAL DEATHS		
YEAR	COLORADO LIVE BIRTHS	COLORADO NUMBER	COLORADO RATE	U.S. RATE
1940	21,416	88	41.1	37.6
1941	21,452	63	29.4	31.7
1942	23,337	33	14.1	25.9
1943	24,203	49	20.2	24.5
1944	23,805	45	18.9	22.8
1945	23,228	49	21.1	20.7
1946	29,176	45	15.4	15.7
1947	32,509	40	12.3	13.5
1948	32,826	34	10.4	11.7
1949	32,846	29	8.8	9.0
1950	33,853	30	8.9	8.3
1951	35,755	28	7.8	7.5
1952	37,137	29	7.8	6.8
1953	37,872	21	5.5	6.1
1954	38,906	21	5.4	5.2
1955	39,905	18	4.5	4.7
1956	41,553	14	3.4	4.1
1957	41,256	15	3.6	4.1
1958	41,890	8	1.9	3.8
1959	41,984	20	4.8	3.7
1960	42,905	9	2.1	3.7
1961	44,648	12	2.7	3.7
1962	43,594	9	2.1	3.5
1963	42,179	13	3.1	3.6
1964	40,537	6	1.5	3.3
1965	36,851	9	2.4	3.2
1966	34,899	4	1.1	2.9
1967	35,166	9	2.6	2.8
1968	36,842	5	1.4	2.5
1969	39,189	6	1.5	2.2
1970	41,480	9	2.2	2.2
1971	40,360	8	2.0	1.9
1972	38,585	4	1.0	1.9
1973	38,507	4	1.0	1.5
1974	39,036	8	2.0	1.5
1975	40,148	5	1.2	1.3
1976	40,978	2	0.5	1.2
1977	43,056	7	1.6	1.1
1978	44,063	2	0.5	1.0
1979	47,179	3	0.6	0.8
1980	49,716	6	1.2	0.7
1981	52,104	4	0.8	0.8
1982	54,786	6	1.1	0.9
1983	54,644	2	0.4	0.8
1984	54,339	1	0.2	0.6
1985	55,115	3	0.5	0.9
1986	55,142	1	0.2	0.7
1987	53,803	4	0.7	0.6
1988	53,346	5	0.9	0.8
1989	52,697	4	0.8	0.6

Rates are maternal deaths per 10,000 live births. U.S. data are from the National Center for Health Statistics and are provisional for 1989. U.S. rates are based on an estimated 260 maternal deaths in 1989.

Figure 42. Maternal Mortality Rates: Colorado Residents and United States, 1940-1989



Infant Deaths

Colorado resident infant deaths totaled 459 in 1989, 47 fewer than the 506 recorded in 1988. The state's infant mortality rate decreased to 8.7 deaths per 1,000 live births in 1989, down from 9.5 in 1988 and the second-lowest rate ever. Colorado's infant mortality rate ranged between 8.6 (in 1986) and 10.2 (in 1984) in the 1980s.

The U.S. infant mortality rate continued to be higher than the state's rate, but decreased to 9.7 in 1989, its lowest point ever. Table 90 compares Colorado and U.S. infant mortality rates between 1910 and 1989, with state counts for total infant deaths, neonatal deaths (death before 28 days of age) and postneonatal deaths (death between 28 days of 1 year of age). Figure 43 shows changes in Colorado and U.S. infant mortality rates since 1940.

A total of 502 infants died in Colorado in 1989, including 447 Colorado residents and 55 infants who were residents of other states. Users of national vital statistics should be aware that preliminary infant mortality data released by the National Center for Health Statistics often are compiled by place of occurrence rather than place of residence. Rates based on these counts will not reflect resident infant mortality.

Neonates account for the majority of infant deaths. In 1989, 270 of the 459 total resident infant deaths took place in the first 28 days of life, 58.8 percent of total. Postneonatal deaths totaled 189, 41.2 percent of total. In 1989, Colorado's neonatal mortality rates was at a record low of 5.1. The postneonatal mortality rate was 3.6. Figure 44 compares neonatal and postneonatal mortality in Colorado between 1940 and 1989.

Male infant mortality rates exceed those for females. In 1989, 279 Colorado male infants and 180 female infants died, with male infant mortality rates being almost one-and-a-half times higher than those for females. The male rate was 10.4, compared to a female rate of 7.0. Male rates were higher than female rates for both neonates (5.9 versus 4.3) and postneonates (4.5 versus 2.6).

Nearly one-third of infant deaths occur in the first day of life. In 1989, 151 Colorado infants died in the day following delivery. Nearly half (222 or 48.4 percent) died in the first week.

Infant Mortality by Race/Ethnicity

Infant mortality rates vary widely by race and ethnicity. Table 91 shows infant mortality by selected race/ethnic groups between 1980 and 1989, with average annual rates for multiple years included. The table's category of Hispanics as persons of white race with Spanish surnames differs from that used elsewhere in this report because of inconsistencies in the category of Spanish origin over time.

Rates are calculated by race of child both for deaths and births. While most of the other birth data in this report are compiled by race of mother, infant mortality rates here have been based on race of child. Infant mortality data therefore are comparable to data for previous years.

Infant mortality rates are higher for blacks than for whites. In Colorado, whites without Spanish surnames experienced an average annual infant mortality rate of 9.3 over the 1980s. The average rate for whites with Spanish surnames was 9.8. The average black infant mortality rate was 15.0, over one-and-a-half times higher than the white rate. Discrepancies in rates remained relatively stable in the last decade.

Race/ethnic differences in infant mortality rates actually are more apparent when the new Spanish origin category is used. In 1989, white (non-Spanish origin) infant deaths totaled 315. This count is fewer than the 324 white/non-Spanish surname infants who died in 1989. Hispanic infant deaths totaled 87, compared to 78 white infants with Spanish surnames. Spanish-surname data therefore may be considered to undercount Hispanic infant mortality.

Using these Spanish origin counts, Colorado's white infant mortality rate in 1989 was 7.9 and the Hispanic rate was 10.4. These rates challenge the long-held conviction that Hispanic and non-Hispanic white infant mortality patterns are nearly comparable. Table 92 compares Colorado infant mortality by race/ethnicity, sex and age in 1989. Figure 45 shows infant mortality rates by race/ethnicity of child in 1989.

Causes of Infant Mortality

In 1989, 178 Colorado infants died from conditions of the perinatal period, usually defined as the period between 20 weeks of gestation (in some cases 28 weeks) and 28 days after birth. These conditions include a large range of disorders, complications and infections classified together because of when they originated. Perinatal period conditions accounted for 38.8 percent of the state's infant deaths in 1989.

Mortality from perinatal period conditions included 34 deaths from disorders relating to short gestation and unspecified low birthweight, 26 deaths from respiratory distress syndrome, 55 deaths from other respiratory conditions of the newborn, and 17 deaths from complications of the placenta, cord and membranes.

Congenital anomalies claimed 106 Colorado infants in 1989. Congenital anomalies are defects present at birth that include such diverse conditions as spina bifida, Down's syndrome and cleft palate.

Thirty-nine infant deaths in 1989 were from congenital anomalies of the heart, 36.8 percent of total anomaly deaths. Twenty deaths were from anomalies of the respiratory system. Anomalies of the musculoskeletal system caused 7 deaths and congenital hydrocephalus caused 6 deaths.

In 1989, the third leading cause of infant death in Colorado was sudden infant death syndrome (SIDS), from which 98 infants died. This number is lower than the 116 SIDS deaths in 1988 and 117 in 1987.

Table 93 compares Colorado and U.S. infant mortality by cause. Table 94 shows Colorado infant deaths by selected cause for the years 1980 through 1989. Infant deaths from detailed causes by age of infant appear in Table 95. Cause of death by race/ethnicity appears in Table 96.

Infant Deaths by Birth Weight and Prenatal Care

The smallest babies have the highest rate of mortality. As Table 97 shows, low weight (<2,500 grams) Colorado births experienced an infant mortality rate of 62.1 deaths per 1,000 live births in 1989, a rate about 16 times the rate of 3.9 for those babies weighing between 2,500 and 4,999 grams at birth. Care should be used when assessing these data because of cases where infants have died from causes unrelated to birth weight.

Colorado infant deaths by trimester care began, age of mother and race of child in 1989 are detailed in Table 98. Infant mortality rates were higher for teen mothers than other age groups, with rates of 12.2 infant deaths per 1,000 live births among mothers aged 10-14 and 13.0 for ages 15-19. Rates were 11.4 for ages 20-24, 5.9 for ages 25-29, 6.9 for ages 30-34, 9.6 for ages 35-39, and 3.1 for ages 40-44.

Infant mortality rates by trimester prenatal care began were lowest for infants with first-trimester care and highest for those with no care or care only at delivery. Infants with first-trimester care experienced an infant mortality rate of 7.5, compared with rates of 10.0 for infants with second-trimester care, 11.8 for infants with third-trimester care, and 23.9 for infants with no care or care only at delivery.

Table 90. Infant, Neonatal and Postneonatal Deaths: Colorado Residents and U.S. Rates Selected Years, 1910-1989

	TOTAL LIVE BIRTHS	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		COLORADO		U.S.	COLORADO		U.S.	COLORADO		U.S.
YEAR		NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1910	12,164	-	104.2	132.0	-	-	-	-	-	-
1920	18,676	-	101.9	85.8	-	-	-	-	-	-
1930	18,814	-	94.0	64.6	-	-	35.7	-	-	28.9
1931	18,513	1,500	81.0	61.6	-	-	34.6	-	-	27.0
1932	17,613	1,259	71.5	57.6	-	-	33.5	-	-	24.1
1933	17,180	1,183	68.9	58.1	-	-	34.0	-	-	24.1
1934	17,849	1,298	72.7	61.1	-	-	34.1	-	-	27.0
1935	18,837	1,370	72.7	55.7	-	-	32.4	-	-	23.3
1936	18,279	1,354	74.1	57.1	-	-	32.6	-	-	24.5
1937	19,504	1,441	73.9	54.4	-	-	31.3	-	-	23.1
1938	20,511	1,240	60.5	51.0	-	-	29.6	-	-	21.4
1939	20,618	1,122	54.4	48.0	-	-	29.3	-	-	18.7
1940	21,416	1,275	59.5	47.0	707	33.0	28.8	568	26.5	18.2
1941	21,452	1,112	51.8	45.3	622	29.0	27.7	490	22.8	17.6
1942	23,337	1,144	49.0	40.4	650	27.9	25.7	494	21.2	14.7
1943	24,203	1,222	50.5	40.4	650	26.9	24.7	572	23.6	15.7
1944	23,805	1,184	49.7	39.8	739	31.0	24.7	445	18.7	15.1
1945	23,228	1,191	51.3	38.3	757	32.6	24.3	434	18.7	14.0
1946	29,176	1,186	40.6	33.8	818	28.0	24.0	368	12.6	9.8
1947	32,509	1,218	37.5	32.2	829	25.5	22.8	389	12.0	9.4
1948	32,826	1,260	38.4	32.0	799	24.3	22.2	461	14.0	9.8
1949	32,846	1,145	34.9	31.3	794	24.2	21.4	351	10.7	9.9
1950	33,853	1,158	34.2	29.2	791	23.4	20.5	367	10.8	8.7
1951	35,755	1,192	33.3	28.4	864	24.2	20.0	328	9.2	8.4
1952	37,137	1,200	32.3	28.4	808	21.8	19.8	392	10.6	8.6
1953	37,872	1,246	32.9	27.8	894	23.6	19.6	352	9.3	8.2
1954	38,906	1,210	31.1	26.6	832	21.4	19.1	378	9.7	7.5
1955	39,905	1,204	30.2	26.4	892	22.4	19.1	312	7.8	7.3
1956	41,553	1,205	29.0	26.0	895	21.5	18.9	310	7.5	7.1
1957	41,256	1,251	30.3	26.3	947	23.0	19.1	304	7.4	7.2
1958	41,890	1,282	30.6	27.1	940	22.4	19.5	342	8.2	7.6
1959	41,984	1,213	28.9	26.4	934	22.2	19.0	279	6.6	7.4
1960	42,905	1,182	27.5	26.0	916	21.3	18.7	266	6.2	7.3
1961	44,648	1,169	26.2	25.3	875	19.6	18.4	294	6.6	6.9
1962	43,594	1,098	25.2	25.3	811	18.6	18.3	287	6.6	7.0
1963	42,179	1,096	26.0	25.2	816	19.3	18.2	280	6.6	7.0
1964	40,537	1,033	25.5	24.8	764	18.8	17.9	269	6.6	6.9
1965	36,851	895	24.3	24.7	654	17.7	17.7	241	6.5	7.0
1966	34,899	820	23.5	23.7	617	17.7	17.2	203	5.8	6.5
1967	35,166	805	22.9	22.4	624	17.7	16.5	181	5.1	5.9
1968	36,842	762	20.7	21.8	580	15.7	16.1	182	4.9	5.7
1969	39,189	806	20.6	20.9	609	15.5	15.6	197	5.0	5.3
1970	41,480	829	20.0	20.0	628	15.1	15.1	201	4.8	4.9
1971	40,360	736	18.2	19.1	541	13.4	14.2	195	4.8	4.9
1972	38,585	678	17.6	18.5	487	12.6	13.6	191	5.0	4.9
1973	38,507	637	16.5	17.7	465	12.1	13.0	172	4.5	4.7
1974	39,036	612	15.7	16.7	447	11.5	12.3	165	4.2	4.4
1975	40,148	572	14.2	16.1	383	9.5	11.6	189	4.7	4.5
1976	40,978	531	13.0	15.2	357	8.7	10.9	174	4.2	4.3
1977	43,056	517	12.0	14.1	318	7.4	9.9	199	4.6	4.2
1978	44,063	493	11.2	13.8	303	6.9	9.5	190	4.3	4.3
1979	47,179	496	10.5	13.1	300	6.4	8.9	196	4.2	4.2

YEAR	TOTAL LIVE BIRTHS	INFANT DEATHS COLORADO NUMBER	INFANT DEATHS COLORADO RATE	INFANT DEATHS U.S. RATE	NEONATAL DEATHS COLORADO NUMBER	NEONATAL DEATHS COLORADO RATE	NEONATAL DEATHS U.S. RATE	POSTNEONATAL DEATHS COLORADO NUMBER	POSTNEONATAL DEATHS COLORADO RATE	POSTNEONATAL DEATHS U.S. RATE
1980	49,716	500	10.1	12.6	329	6.6	8.5	171	3.4	4.1
1981	52,104	517	9.9	11.9	337	6.5	8.0	180	3.5	3.9
1982	54,786	497	9.1	11.5	309	5.6	7.7	188	3.4	3.8
1983	54,644	547	10.0	11.2	321	5.9	7.3	226	4.1	3.9
1984	54,339	552	10.2	10.8	316	5.8	7.0	236	4.3	3.8
1985	55,115	519	9.4	10.6	302	5.5	7.0	217	3.9	3.7
1986	55,142	476	8.6	10.4	293	5.3	6.7	183	3.3	3.6
1987	53,803	527	9.8	10.0	321	6.0	6.5	206	3.8	3.4
1988	53,346	506	9.5	9.9	296	5.5	6.4	210	3.9	3.5
1989	52,697	459	8.7	9.7	270	5.1	-	189	3.6	-

All rates are per 1,000 live births. U.S. data are from the National Center for Health Statistics and are provisional for 1989. Colorado births for years 1910-1936 and infant deaths before 1940 are for Colorado occurrences. All other data are for residents.

Figure 43. Infant Mortality Rates: Colorado Residents and United States, 1940-1989

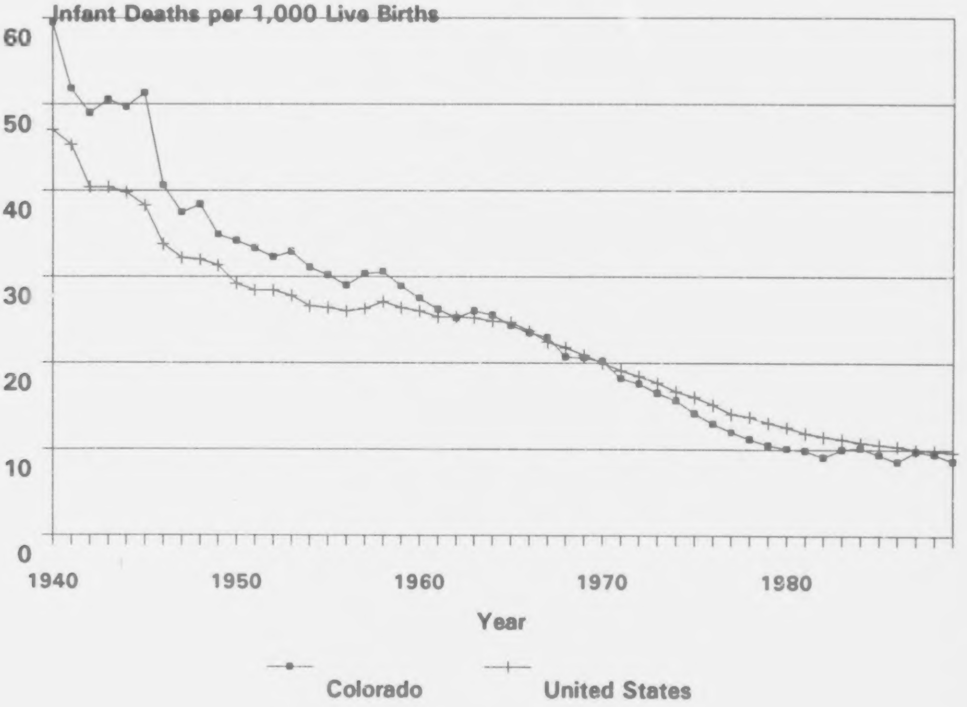


Table 91. Live Births, Infant Deaths and Infant Mortality Rates by Race/Ethnicity of Child: Colorado Residents, 1980-89

TOTAL	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	ANNUAL AVERAGE 1980-84	ANNUAL AVERAGE 1985-89	ANNUAL AVERAGE 1980-89
Live Births	49,716	52,104	54,786	54,644	54,339	55,115	55,142	53,803	53,346	52,697	53,118	54,021	59,521
Infant Deaths	500	517	497	547	552	519	476	527	506	459	523	497	567
Rate	10.1	9.9	9.1	10.0	10.2	9.4	8.6	9.8	9.5	8.7	9.8	9.2	9.5
TOTAL WHITE:													
Live Births	45,584	47,701	50,108	50,114	49,759	50,404	50,172	48,718	48,213	47,414	48,653	49,617	54,243
Infant Deaths	443	478	455	499	496	458	418	469	463	402	474	477	509
Rate	9.7	10.0	9.1	10.0	10.0	9.1	8.3	9.6	9.6	8.5	9.7	9.6	9.4
WHITE, NOT SPANISH SURNAME:													
Live Births	38,022	39,966	42,232	42,539	42,185	42,669	42,263	40,925	40,183	39,263	40,989	41,918	45,583
Infant Deaths	342	405	397	420	417	386	354	393	380	324	396	405	424
Rate	9.0	10.1	9.4	9.9	9.9	9.0	8.4	9.6	9.5	8.3	9.7	9.7	9.3
WHITE, SPANISH SURNAME:													
Live Births	7,562	7,735	7,876	7,575	7,574	7,735	7,909	7,793	8,030	8,151	7,664	7,699	8,660
Infant Deaths	101	73	58	79	79	72	64	76	83	78	78	72	85
Rate	13.4	9.4	7.4	10.4	10.4	9.3	8.1	9.8	10.3	9.6	10.2	9.4	9.8
BLACK:													
Live Births	2,403	2,540	2,751	2,699	2,707	2,830	3,072	3,161	3,160	3,249	2,620	2,705	3,175
Infant Deaths	46	29	34	42	46	45	53	52	37	45	39	39	48
Rate	19.1	11.4	12.4	15.6	17.0	15.9	17.3	16.5	11.7	13.9	15.0	14.5	15.0

Infant mortality rates are infant deaths per 1,000 live births. Rates based on few actual cases must be viewed with caution. Race categories used here differ from those appearing elsewhere in this report. See text for discussion of different ways to calculate infant mortality rates by race/ethnicity. See page 191 for infant mortality rates in 1989 using Spanish origin category.

Table 92. Infant Deaths by Race/Ethnicity of Child, Sex and Age: Colorado Residents, 1989

SEX, RACE AND SPANISH ORIGIN OF INFANT	TOTAL INFANT DEATHS NUMBER	TOTAL INFANT DEATHS PERCENT	DEATH IN FIRST DAY NUMBER	DEATH IN FIRST DAY PERCENT	DEATH IN FIRST WEEK NUMBER	DEATH IN FIRST WEEK PERCENT	NEONATAL DEATH NUMBER	NEONATAL DEATH PERCENT	POSTNEONATAL DEATH NUMBER	POSTNEONATAL DEATH PERCENT
Total	459	100.0	151	32.9	222	48.4	270	58.8	189	41.2
Total White	402	100.0	125	31.1	191	47.5	230	57.2	172	42.8
Non-Spanish Origin White	315	100.0	94	29.8	153	48.6	188	59.7	127	40.3
Spanish Origin White	87	100.0	31	35.6	38	43.7	42	48.3	45	51.7
Total Non-White	56	100.0	25	44.6	30	53.6	39	69.6	17	30.4
Black	45	100.0	20	44.4	25	55.6	32	71.1	13	28.9
Native American	3	100.0	1	33.3	1	33.3	2	66.7	1	33.3
Asian	8	100.0	4	50.0	4	50.0	5	62.5	3	37.5
Other	0	-	0	-	0	-	0	-	0	-
Unknown/Not Stated	1	100.0	1	100.0	1	100.0	1	100.0	0	0.0
Male	279	100.0	92	33.0	131	47.0	158	56.6	121	43.4
Female	180	100.0	59	32.8	91	50.6	112	62.2	68	37.8

Percentages based on few cases must be viewed with caution.

Table 93. Infant Deaths and Infant Mortality Rates for Selected Leading Causes of Infant Death: Colorado Residents, 1989, and United States, 1988

CAUSE OF DEATH	ICD9 CODES	COLORADO NUMBER	COLORADO RATE	UNITED STATES RATE, 1988
All Causes		459	87.1	99.5
Pneumonia and Influenza........................	480-487	4	0.8	1.6
Congenital Anomalies...........................	740-759	106	20.1	20.8
Newborn Affected by Maternal Complications of Pregnancy......................................	761	13	2.5	3.6
Newborn Affected by Complications of Placenta, Cord and Membranes.............................	762	17	3.2	2.3
Disorders Relating to Short Gestation and Unspecified Low Birthweight....................	765	34	6.5	8.4
Birth Trauma	767	4	0.8	0.6
Intrauterine Hypoxia and Birth Asphyxia.........	768	6	1.1	2.0
Respiratory Distress Syndrome..................	769	26	4.9	8.1
Infections Specific to Perinatal Period.........	771	4	0.8	2.3
Sudden Infant Death Syndrome (SIDS)..............	798.0	98	18.6	14.0
Accidents and Adverse Effects..................	E800-E949	8	1.5	2.4
Homicide and Legal Intervention	E960-E978	8	1.5	0.8
All Other Causes...............................	Residual	131	24.9	33.2

Differences in reporting practices may account for some apparent differences in rates appearing here. Data are based on underlying cause of death. Rates are per 10,000 live births. U.S. data are from the National Center for Health Statistics.

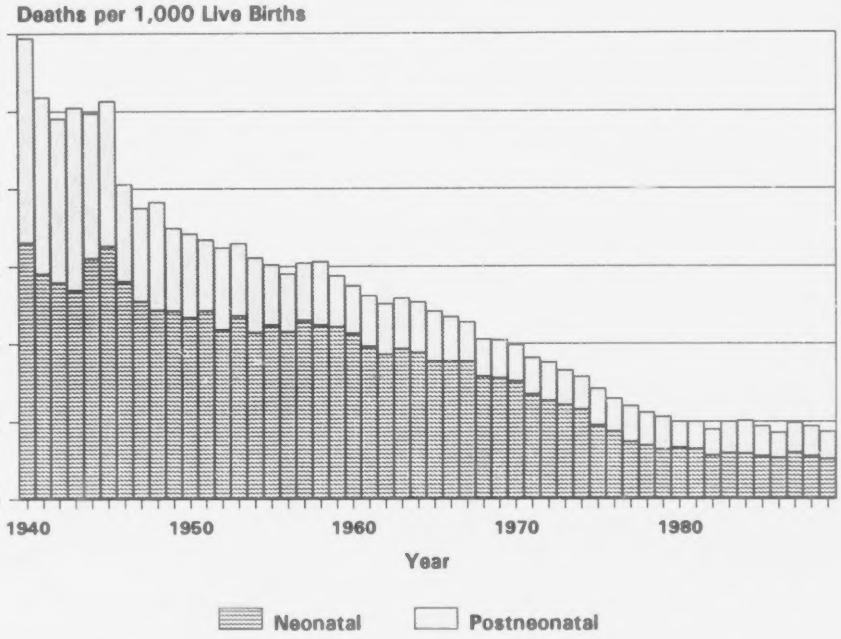
Table 94. Selected Causes of Infant Death with Infant Mortality Rates: Colorado Residents, 1980-89

CAUSE OF DEATH	ICD9 CODE	1980		1981		1982		1983		1984	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
All Causes		500	100.6	517	99.2	497	90.7	547	100.1	552	101.6
Heart Disease	390-398,402,404-429	11	2.2	12	2.3	11	2.0	19	3.5	31	5.7
Pneumonia and Influenza	480-487	7	1.4	12	2.3	8	1.5	17	3.1	12	2.2
Congenital Anomalies	740-759	120	24.1	123	23.6	115	21.0	122	22.3	129	23.7
Newborn Affected by Maternal Complications of Pregnancy	761	14	2.8	17	3.3	11	2.0	28	5.1	16	2.9
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	8	1.6	11	2.1	16	2.9	12	2.2	7	1.3
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	31	6.2	18	3.5	19	3.5	36	6.6	35	6.4
Intrauterine Hypoxia and Birth Asphyxia	768	21	4.2	25	4.8	20	3.7	19	3.5	15	2.8
Respiratory Distress Syndrome	769	33	6.6	32	6.1	33	6.0	21	3.8	26	4.8
Infections Specific to the Perinatal Period	771	9	1.8	13	2.5	11	2.0	14	2.6	16	2.9
Sudden Infant Death Syndrome (SIDS)	798.0	65	13.1	73	14.0	85	15.5	95	17.4	104	19.1
Accidents and Adverse Effects	E800-E949	9	1.8	9	1.7	7	1.3	11	2.0	8	1.5
Homicide and Legal Intervention	E960-E978	9	1.8	5	1.0	6	1.1	2	0.4	4	0.7
All Other Causes	Residual	163	32.8	167	32.1	155	28.3	151	27.6	149	27.4
Live Births		49,716		52,104		54,786		54,644		54,339	

CAUSE OF DEATH	ICD9 CODE	1985		1986		1987		1988		1989	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
All Causes		519	94.2	476	86.3	527	97.9	506	94.9	459	87.1
Heart Disease	390-398,402,404-429	24	4.4	31	5.6	15	2.8	11	2.1	9	1.7
Pneumonia and Influenza	480-487	7	1.3	6	1.1	9	1.7	8	1.5	4	0.8
Congenital Anomalies	740-759	127	23.0	102	18.5	131	24.3	110	20.6	106	20.1
Newborn Affected by Maternal Complications of Pregnancy	761	14	2.5	13	2.4	17	3.2	13	2.4	13	2.5
Newborn Affected by Complications of Placenta, Cord, and Membranes	762	13	2.4	9	1.6	16	3.0	14	2.6	17	3.2
Disorders Relating to Short Gestation and Unspecified Low Birthweight	765	31	5.6	33	6.0	32	5.9	24	4.5	34	6.5
Intrauterine Hypoxia and Birth Asphyxia	768	18	3.3	11	2.0	16	3.0	8	1.5	6	1.1
Respiratory Distress Syndrome	769	21	3.8	29	5.3	28	5.2	26	4.9	26	4.9
Infections Specific to the Perinatal Period	771	13	2.4	7	1.3	10	1.9	11	2.1	4	0.8
Sudden Infant Death Syndrome (SIDS)	798.0	100	18.1	85	15.4	117	21.7	116	21.7	98	18.6
Accidents and Adverse Effects	E800-E949	10	1.8	13	2.4	12	2.2	6	1.1	8	1.5
Homicide and Legal Intervention	E960-E978	2	0.4	5	0.9	6	1.1	10	1.9	8	1.5
All Other Causes	Residual	139	25.2	132	23.9	118	21.9	149	27.9	126	23.9
Live Births		55,115		55,142		53,803		53,346		52,697	

Infant death is death in the first year of life. Data are for underlying causes of death. Rates are infant deaths per 10,000 live births. Rates based on few actual cases must be viewed with caution. The relatively small numbers of deaths from some causes must be considered in any analysis of these data.

Figure 44. Neonatal and Postneonatal Components of Infant Mortality Rates: Colorado Residents, 1940-1989



Neonatal period is first 28 days of life. Postneonatal period is between 28 days and 1 year of life.

Figure 45. Infant Mortality Rates by Race/Ethnicity of Child: Colorado Residents, 1989

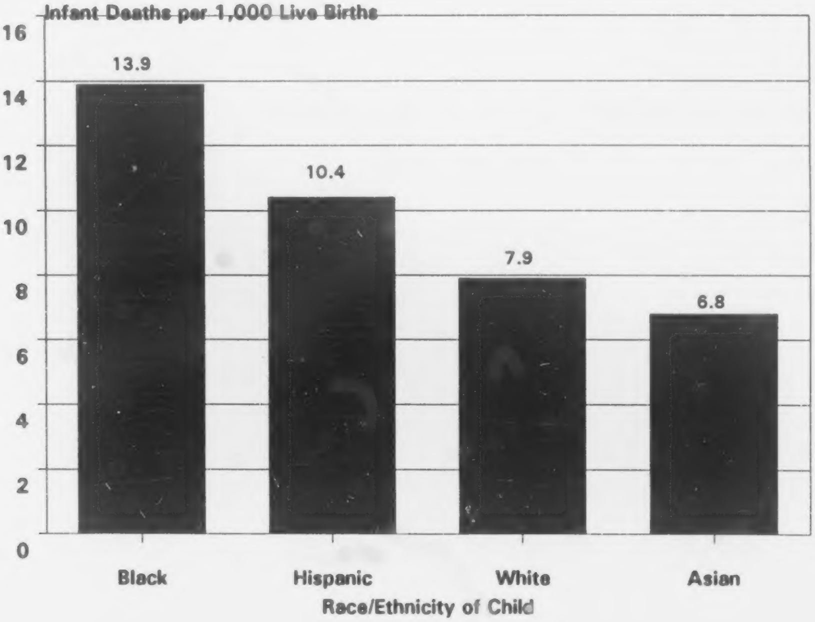


Table 95. Infant Deaths from Selected Causes of Death by Age: Colorado Residents, 1989

CAUSE OF DEATH/ICD9 CODE	TOTAL INFANT DEATHS	DEATH FIRST HOUR	DEATH FIRST DAY	DEATH FIRST WEEK	NEONATAL DEATHS	POSTNEONATAL DEATHS
All Causes	459	61	151	222	270	189
Certain Intestinal Conditions 008-009	0	0	0	0	0	0
Whooping Cough 033	0	0	0	0	0	0
Meningoccocal Infection 036	0	0	0	0	0	0
Septicemia 038	3	0	0	0	0	3
Human Immunodeficiency Virus Infection 042-044	2	0	0	0	0	2
Viral Diseases 045-079	2	0	0	0	0	2
Congenital Syphilis 090	0	0	0	0	0	0
Remainder Infectious and Parasitic						
Malignant Neoplasms 140-208	0	0	0	0	0	0
Benign Neoplasms, Carcinoma in Situ 210-239	0	0	0	0	0	0
Diseases of Thymus Gland 254	0	0	0	0	0	0
Cystic Fibrosis 277.0	0	0	0	0	0	0
Diseases of Blood, Blood Forming Organs 280-289	1	1	1	1	1	0
Meningitis 320-322	4	0	0	0	3	1
Other Diseases of Nervous System, Sense Organs 323-389	9	0	0	0	2	7
Diseases of Heart 390-398,402,404-429	9	0	1	4	4	5
Cerebrovascular Diseases..........................430-438	1	0	0	0	0	1
Acute Upper Respiratory Infections 460-465	2	0	0	0	0	2
Bronchitis and Bronchiolitis 466,480-491	0	0	0	0	0	0
Pneumonia and Influenza 480-487	4	0	0	0	1	3
Pneumonia 480-486	4	0	0	0	1	3
Influenza 487	0	0	0	0	0	0
Remainder of Respiratory Diseases 470-478,492-519	2	0	0	0	0	2
Hernia of Abdominal Cavity, Intestinal Obstruction without Mention of Hernia 550-553,560	1	0	0	0	0	1
Gastritis, Duodenitis, Noninfective Enteritis and Colitis 535,555-558	0	0	0	0	0	0
Remainder Digestive Diseases 520-534,536-543,562-579	0	0	0	0	0	0
Congenital Anomalies 740-759	106	9	32	62	72	34
Anencephalous and Similar Anomalies 740	3	0	3	3	3	0
Spina Bifida 741	2	1	1	1	1	1
Congenital Hydrocephalus 742.3	6	0	2	4	4	2
Other Congenital Anomalies Central Nervous System 742.0-742.2,742.4-742.9,743	4	0	0	1	3	1
Congenital Anomalies of Heart 745-746	39	0	1	15	22	17
Other Congenital Anomalies Circulatory System 747	5	0	1	3	4	1
Congenital Anomalies Respiratory System 748	20	4	14	20	20	0
Congenital Anomalies Digestive System 749-751	1	0	0	0	0	1
Congenital Anomalies Genitourinary System 752-753	3	1	1	2	2	1
Congenital Anomalies Musculoskeletal System 754-756	7	1	4	5	5	2
Down's Syndrome 758.0	1	0	0	0	0	1
Other Chromosomal Anomalies 758.1-758.9	10	0	2	5	5	5
All Other, Unspecified Congenital Anomalies 744,757,759	5	2	3	3	3	2
Certain Conditions Originating in Perinatal Period 760-779	178	49	114	148	167	11
Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy 760	1	0	0	1	1	0
Newborn Affected by Maternal Complications of Pregnancy 761	13	10	13	13	13	0
Newborn Affected by Complications of Placenta, Cord and Membranes 762	17	10	14	16	17	0
Newborn Affected by Other Complications of Labor and Delivery 763	0	0	0	0	0	0
Slow Fetal Growth and Fetal Malnutrition 764	0	0	0	0	0	0
Disorders Relating to Short Gestation and Unspecified Low Birth Weight 765	34	17	32	32	33	1

CAUSE OF DEATH/ICD9 CODE	TOTAL INFANT DEATHS	DEATH FIRST HOUR	DEATH FIRST DAY	DEATH FIRST WEEK	NEONATAL DEATHS	POSTNEONATAL DEATHS
Disorders Relating to Long Gestation and High Birth Weight 766	0	0	0	0	0	0
Birth Trauma 767	4	0	0	1	4	0
Intrauterine Hypoxia and Birth Aphyxia 768	6	0	2	4	6	0
Fetal Distress in Liveborn Infant 768.2-768.4	1	0	0	0	1	0
Birth Asphyxia 768.5-768.9	5	0	2	4	5	0
Respiratory Distress Syndrome 769	26	0	11	22	25	1
Other Respiratory Conditions of Newborn 770	55	9	31	42	47	8
Infections Specific to Perinatal Period 771	4	0	2	3	3	1
Neonatal Hemmorhage 772	1	0	1	1	1	0
Hemolytic Disease of Newborn 773-774	0	0	0	0	0	0
Syndrome on Infant of a Diabetic Mother and Neonatal Diabetes Mellitus 775.0-775.1	0	0	0	0	0	0
Hemorrhagic Disease of Newborn 776.0	0	0	0	0	0	0
All Other and Ill-Defined Conditions Originating in Perinatal Period 775.2-775.9,776.1-779	17	3	8	13	17	0
Symptoms, Signs, and Ill-Defined Conditions 780-799	99	0	0	1	11	88
Sudden Infant Death Syndrome 798.0	98	0	0	1	10	88
Symptoms, Signs and All Other Ill-Defined Conditions 780-797,798.1-799	1	0	0	0	1	0
Accidents and Adverse Effects E800-E949	8	0	0	0	0	8
Inhalation and Ingestion of Food or Other Object Causing Obstruction of Respiratory Tract or Suffocation E911-E912	1	0	0	0	0	1
Accidental Mechanical Suffocation E913	0	0	0	0	0	0
Other Accidental Causes and Adverse Effects E800-E910,E914-E949	7	0	0	0	0	7
Homicide E960-E969	8	2	2	2	2	6
Child Battering and Other Maltreatment E967	6	0	0	0	0	6
Injury Undetermined As to Intent E980-E989	1	0	0	0	0	1
All Other Causes (Residual)	19	0	1	4	7	12

Table 96. Infant Deaths and Infant Mortality Rates for Selected Leading Causes of Infant Death by Race/Ethnicity of Child: Colorado Residents, 1989

CAUSE OF DEATH	ICD9 CODE	TOTAL NUMBER	TOTAL RATE	TOTAL WHITE NUMBER	TOTAL WHITE RATE	NON-SPANISH ORIGIN NUMBER	NON-SPANISH ORIGIN RATE	SPANISH ORIGIN NUMBER	SPANISH ORIGIN RATE
All Causes		459	87.1	402	83.3	315	79.0	87	103.9
Pneumonia and Influenza....................	480-487	4	0.8	4	0.8	3	0.8	1	0.1
Congenital Anomalies........................	740-759	106	20.1	99	20.5	84	21.1	15	1.8
Newborn Affected by Maternal Complications of Pregnancy................	761	13	2.5	11	2.3	9	2.3	2	0.2
Newborn Affected by Complications of Placenta, Cord, and Membranes..........	762	17	3.2	14	2.9	14	3.5	0	0.0
Disorders Relating to Short Gestation and Unspecified Low Birth Weight...........	765	34	6.5	27	5.6	18	4.5	9	1.1
Intrauterine Hypoxia and Birth Asphyxia....	768	6	1.1	6	1.2	5	1.3	1	0.1
Respiratory Distress Syndrome..............	769	26	4.9	23	4.8	18	4.5	5	0.6
Infections Specific to Perinatal Period....	771	4	0.8	3	0.6	3	0.8	0	0.0
Sudden Infant Death Syndrome (SIDS)........	798.0	98	18.6	89	18.5	61	15.3	28	3.3
Accidents and Adverse Effects..............	E800-E949	8	1.5	6	1.2	5	1.3	1	0.1
Homicide and Legal Intervention	E960-E978	8	1.5	6	1.2	4	1.0	2	0.2
All Other Causes...........................	Residual	135	25.6	114	23.6	91	22.8	23	2.7
Live Births		52,697		48,233		39,859		8,374	

CAUSE OF DEATH	ICD9 CODE	TOTAL NON-WHITE NUMBER	TOTAL NON-WHITE RATE	BLACK NUMBER	BLACK RATE	OTHER NON-WHITE NUMBER	OTHER NON-WHITE RATE
All Causes		56	107.1	45	138.5	11	55.5
Pneumonia and Influenza....................	480-487	0	0.0	0	0.0	0	5.0
Congenital Anomalies........................	740-759	7	13.4	5	15.4	2	15.1
Newborn Affected by Maternal Complications of Pregnancy................	761	2	3.8	1	3.1	1	0.0
Newborn Affected by Complications of Placenta, Cord, and Membranes..........	762	3	5.7	3	9.2	0	0.0
Disorders Relating to Short Gestation and Unspecified Low Birth Weight...........	765	6	11.5	6	18.5	0	0.0
Intrauterine Hypoxia and Birth Asphyxia....	768	0	0.0	0	0.0	0	0.0
Respiratory Distress Syndrome..............	769	3	3.8	2	6.2	1	0.0
Infections Specific to Perinatal Period....	771	1	1.9	1	3.1	0	5.0
Sudden Infant Death Syndrome (SIDS)........	798.0	9	15.3	8	24.6	1	0.0
Accidents and Adverse Effects..............	E800-E949	2	0.0	0	0.0	2	0.0
Homicide and Legal Intervention	E960-E978	2	3.8	2	6.2	0	0.0
All Other Causes...........................	Residual	21	40.2	17	52.3	4	30.3
Live Births		5,230		3,249		1,981	

Rates are infant deaths by race/ethnicity per 1,000 live births by race/ethnicity of child. Spanish origin and non-Spanish origin add to total white. Rates based on few actual cases must be viewed with caution. Race/ethnic categories in this table differ from those in earlier editions of this report.

Table 97. Live Births, Infant Deaths and Infant Mortality Rates by Birth Weight: Colorado Residents, 1989

BIRTH WEIGHT (GRAMS)		INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
	LIVE BIRTHS	DEATHS	INFANT MORTALITY RATE	DEATHS	NEONATAL MORTALITY RATE	DEATHS	POSTNEONATAL MORTALITY RATE
Total	52,697	459	8.7	271	5.1	188	3.6
<500	48	42	875.0	39	812.5	3	62.5
500-999	187	92	492.0	84	449.2	8	42.8
1,000-1,499	292	35	119.9	24	82.2	11	37.7
1,500-1,999	715	34	47.6	14	19.6	20	28.0
2,000-2,499	2,845	51	17.9	20	7.0	31	10.9
2,500-2,999	10,940	65	5.9	26	2.4	39	3.6
3,000-3,499	21,322	76	3.6	34	1.6	42	2.0
3,500-3,999	12,948	36	2.8	16	1.2	20	1.5
4,000-4,499	2,964	12	4.0	2	0.7	10	3.4
4,500-4,999	393	1	2.5	1	2.5	0	0.0
5,000+	23	1	43.5	1	43.5	0	0.0
Weight 2,500-4,999	48,567	190	3.9	79	1.6	111	2.3
Low Weight Birth <2,500	4,087	254	62.1	181	44.3	73	17.9
Very Low Weight Birth <1,500	527	169	320.7	147	278.9	22	41.7
Weight Unknown or Not Stated	17	14	823.5	10	588.2	4	235.3

Rates are events per 1,000 live births. See page 270 for conversion of metric weight into pounds and ounces.

Table 98. Infant Deaths by Trimester Care Began, Age of Mother and Race/Ethnicity of Child, Colorado Residents, 1989

RACE/ ETHNICITY	TRIMESTER CARE BEGAN	TOTAL INFANT DEATHS	13-14	15-17	18-19	AGE OF MOTHER 10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	UNKNOWN/ NOT STATED
Total	Total	459	1	25	51	1	76	147	98	83	44	2	1	7
	First	301	1	10	25	1	35	85	78	61	38	1	1	1
	Second	95	0	9	14	0	23	38	16	14	3	1	0	0
	Third	27	0	2	5	0	7	17	1	2	0	0	0	0
	No Care	14	0	1	4	0	5	2	2	3	1	0	0	1
	Unknown	22	0	3	3	0	6	5	1	3	2	0	0	5
Total White	Total	402	1	20	42	1	62	124	93	74	39	2	1	6
	First	267	1	8	20	1	28	69	75	57	34	1	1	1
	Second	84	0	6	12	0	18	35	15	12	3	1	0	0
	Third	23	0	2	3	0	5	15	1	2	0	0	0	0
	No Care	10	0	1	4	0	5	1	2	1	0	0	0	1
	Unknown	18	0	3	3	0	6	4	0	2	2	0	0	4
White/ Non-Spanish Origin	Total	315	0	12	32	0	44	89	78	63	35	0	1	5
	First	226	0	6	17	0	23	60	63	48	30	0	1	1
	Second	56	0	3	9	0	12	19	12	10	3	0	0	0
	Third	13	0	0	2	0	2	8	1	2	0	0	0	0
	No Care	7	0	1	3	0	4	0	2	1	0	0	0	0
	Unknown	13	0	2	1	0	3	2	0	2	2	0	0	4
White/ Spanish Origin	Total	87	1	8	10	1	18	35	15	11	4	2	0	1
	First	41	1	2	3	1	5	9	12	9	4	1	0	0
	Second	28	0	3	3	0	6	16	3	2	0	1	0	0
	Third	10	0	2	1	0	3	7	0	0	0	0	0	0
	No Care	3	0	0	1	0	1	1	0	0	0	0	0	1
	Unknown	5	0	1	2	0	3	2	0	0	0	0	0	0
Total Non-White	Total	56	0	5	9	0	14	22	5	9	5	0	0	1
	First	34	0	2	5	0	7	16	3	4	4	0	0	0
	Second	10	0	3	2	0	5	2	1	2	0	0	0	0
	Third	4	0	0	2	0	2	2	0	0	0	0	0	0
	No Care	4	0	0	0	0	0	1	0	2	1	0	0	0
	Unknown	4	0	0	0	0	0	1	1	1	0	0	0	1
Black	Total	45	0	5	8	0	13	18	3	7	4	0	0	0
	First	26	0	2	4	0	6	12	1	4	3	0	0	0
	Second	9	0	3	2	0	5	2	1	1	0	0	0	0
	Third	4	0	0	2	0	2	2	0	0	0	0	0	0
	No Care	3	0	0	0	0	0	1	0	1	1	0	0	0
	Unknown	3	0	0	0	0	0	1	1	1	0	0	0	0
Native American	Total	3	0	0	0	0	0	1	0	1	0	0	0	1
	First	1	0	0	0	0	0	1	0	0	0	0	0	0
	Second	0	0	0	0	0	0	0	0	0	0	0	0	0
	Third	0	0	0	0	0	0	0	0	0	0	0	0	0
	No Care	1	0	0	0	0	0	0	0	1	0	0	0	0
	Unknown	1	0	0	0	0	0	0	0	0	0	0	0	1
Asian	Total	8	0	0	1	0	1	3	2	1	1	0	0	0
	First	7	0	0	1	0	1	3	2	0	1	0	0	0
	Second	1	0	0	0	0	0	0	0	1	0	0	0	0
	Third	0	0	0	0	0	0	0	0	0	0	0	0	0
	No Care	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0

Trimesters are three-month periods of time. Note that data are presented by race/ethnicity of child, not mother. Race/ethnic categories differ from those in earlier editions of the annual report. There was 1 infant death with race/ethnicity not reported, mother aged 20-24, for whom care started in the second trimester.

Multiple Cause of Death

As briefly noted in the section on injury deaths, standard cause-of-death statistics are based on the underlying cause of death, which is a single disease or injury circumstance that initiated the sequence of events leading to death. In this system, each death is assigned one underlying cause of death. However, death certificates provide for the entry of more information than for underlying cause alone. The immediate cause of death, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death also may be entered by the physician or coroner completing the certificate and certifying the death.

Conditions reported on the certificate are converted to codes from the International Classification of Diseases (ICD) system. These codes then provide the basis for cause-of-death statistics. The underlying cause of death is selected from the conditions recorded on the death certificate according to the sequence of conditions listed, provisions of the ICD and other standardized classification rules. Causes of death that are not selected as the underlying cause are referred to as other reported causes, mentioned causes, or multiple causes of death.

Table 99 presents selected leading causes of death by total mentions on Colorado resident death certificates in 1989. This table shows, for example, that heart disease was the underlying cause of death for 6,088 deaths but was mentioned on an additional 3,472 deaths for which it was not the underlying cause. Of these deaths, cancer was the underlying cause for 732 deaths, followed by unintentional injuries for 489 deaths and chronic obstructive pulmonary diseases for 346 deaths.

Table 100 presents reported and underlying causes of death in 1989. The table includes ratios of reported-to-underlying cause and percentages of time reported causes were chosen as underlying are included. As this table shows, some causes of death are selected as underlying more often than others.

Examples of causes chosen nearly always as underlying are HIV infection and the external causes of suicide, homicide and motor vehicle injuries. These causes are selected as underlying for more than 95 percent of the causes in which they are mentioned.

Causes that are seldom selected as underlying are hypertension (chosen as underlying in 9.7 percent of deaths reported), nutritional deficiencies (12.4 percent), anemia (11.1 percent) and nephritis (11.1 percent).

Table 101 shows total numbers of causes of death reported on death certificates in 1989 by age of decedent. About 70 percent of death certificates have more than one cause of death reported, with greater numbers of causes reported among older decedents.

Colorado Life Tables

The observed expectation of life at birth in Colorado increased to a record-high 77.3 years in 1989, up from 76.9 years in 1988, 76.6 years in 1987, and 75.3 years for the period 1979-1981. Colorado's life expectancy consistently is higher than that for the nation as a whole.

In 1988, the most current year for which data are available, U.S. life expectancy was 74.9 years, slightly lower than the life expectancy of 75.0 years in 1987. This decrease was attributable to high mortality nationwide from the effects of an influenza outbreak.

Users should note that the term "life expectancy" used here represents the average number of years that infants would live if they were to experience the same age-specific death rates as occurred in 1989 throughout their lives.

In 1989, life expectancy for Colorado females reached a new high of 80.4 years. Female life expectancy was 79.8 years in 1988 and 79.6 years in 1987. Male life expectancy also increased in 1989 but remained lower than that for females. The male life expectancy in 1989 was 74.1 years, compared to 73.8 years in 1988 and 73.5 years in 1985. U.S. life expectancy was lower at 78.3 years for females and 71.5 years for males in 1988.

Considerable differences in life expectancy by race and ethnicity could be seen in Colorado in 1989. Colorado whites (non-Hispanic) experienced a life expectancy of 77.8 years, compared to 75.7 years for Hispanics (white, Spanish origin) and 71.9 years for blacks.

Male life expectancy was 74.6 years for whites, 72.0 for Hispanics and 68.4 years for blacks. Female life expectancy was 80.7 years for whites, 79.8 years for Hispanics and 75.6 years for blacks.

Table 102 and Figure 46 compare life expectancy by race and sex for Colorado in 1989. Complete life tables for total Colorado population and for males and females in 1989 appear in Tables 103, 104 and 105. An explanation of methods used is included in the technical notes for this report.

Table 99. Selected Leading Causes of Death -- Underlying Cause by Total Mentions: Colorado Residents, 1989

UNDERLYING CAUSE	TOTAL DEATHS	MENTIONED CAUSES			
		HEART DISEASE	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASES	CHRONIC OBSTRUCTIVE PULMONARY DISEASES
Total	21,056	9,560	5,308	2,331	2,489
Heart Disease	6,088	6,088	221	499	479
Malignant Neoplasms	4,691	732	4,691	110	279
Cerebrovascular Disease	1,319	346	38	1,319	69
Chronic Obstructive Pulmonary Diseases	1,318	489	88	51	1,318
Unintentional Injuries	1,087	143	15	19	21
Pneumonia and Influenza	885	298	54	75	87
Suicide	546	18	11	2	8
Diabetes Mellitus	445	272	13	63	15
Chronic Liver Disease and Cirrhosis	324	37	9	5	9
Atherosclerosis	316	119	7	2	12
Human Immunodeficiency Virus Infection	220	8	21	1	0
Septicemia	181	45	11	12	9
Homicide and Legal Intervention	158	3	0	0	0
Nephritis, Nephrosis, Nephrotic Syndrome	117	47	4	7	4
All Other Causes	3,361	915	125	166	179

UNDERLYING CAUSE	UNINTENTIONAL INJURIES	PNEUMONIA AND INFLUENZA	SUICIDE	DIABETES MELLITUS	CHRONIC LIVER DISEASE AND CIRRHOSIS
Total	1,881	2,188	546	1,383	454
Heart Disease	212	241	0	496	29
Malignant Neoplasms	105	282	0	115	23
Cerebrovascular Disease	62	159	0	83	9
Chronic Obstructive Pulmonary Diseases	40	226	0	32	5
Unintentional Injuries	1,087	21	0	11	10
Pneumonia and Influenza	10	885	0	36	11
Suicide	4	1	546	2	1
Diabetes Mellitus	16	21	0	445	2
Atherosclerosis	12	18	0	13	0
Chronic Liver Disease and Cirrhosis	8	19	0	13	319
Homicide and Legal Intervention	3	0	0	0	0
Septicemia	6	13	0	6	3
Nephritis, Nephrosis, Nephrotic Syndrome	8	7	0	5	0
Human Immunodeficiency Virus Infection	4	15	0	0	2
All Other Causes	304	280	0	126	40

UNDERLYING CAUSE	ATHEROSCLEROSIS	HIV INFECTION	SEPTICEMIA	HOMICIDE/LEGAL INTERVENTION	NEPHRITIS, NEPHROSIS, NEPHROTIC SYNDROME
Total	1,097	228	953	159	1,054
Heart Disease	352	0	52	0	224
Malignant Neoplasms	16	1	180	0	160
Cerebrovascular Disease	233	1	28	0	21
Chronic Obstructive Pulmonary Diseases	13	0	14	0	31
Unintentional Injuries	4	1	11	0	12
Pneumonia and Influenza	26	1	82	0	40
Suicide	0	1	2	1	3
Diabetes Mellitus	35	0	29	0	100
Atherosclerosis	316	0	9	0	43
Chronic Liver Disease and Cirrhosis	1	1	24	0	38
Homicide and Legal Intervention	0	0	0	158	0
Septicemia	4	0	181	0	31
Nephritis, Nephrosis, Nephrotic Syndrome	2	0	7	0	117
Human Immunodeficiency Virus Infection	0	220	4	0	1
All Other Causes	95	2	330	0	233

Table 100. Reported and Underlying Causes of Death: Colorado Residents, 1989

CAUSE OF DEATH	ICD9 CODE	DEATHS WITH CAUSE REPORTED	SELECTED AS UNDERLYING	RATIO OF REPORTED TO UNDERLYING CAUSE	PERCENT TIMES REPORTED CAUSE SELECTED AS UNDERLYING
Shigellosis and Amebiasis	004,006	0	0	0.0	0.0
Certain Other Intestinal Infections	007-009	5	4	1.3	80.0
Tuberculosis	010-018	32	15	2.1	46.9
Tuberculosis of Respiratory System	010-012	21	11	1.9	52.4
Other Tuberculosis	013-018	12	4	3.0	33.3
Whooping Cough	033	0	0	0.0	0.0
Strep Sore Throat, Scarlatina, and Erysipelas	034-035	0	0	0.0	0.0
Meningococcal Infection	036	1	1	1.0	100.0
Septicemia	038	953	181	5.3	19.0
Human Immunodeficiency Virus Infection	042-044	228	220	1.0	96.5
Acute Poliomyelitis	045	0	0	0.0	0.0
Measles	055	0	0	0.0	0.0
Viral Hepatitis	070	26	18	1.4	69.2
Syphilis	090-097	5	1	5.0	20.0
All Other Infectious and Parasitic Diseases	(001-039)	155	66	2.3	42.6
Malignant Neoplasms, All Sites	140-208	5,308	4,691	1.1	88.4
Of Lip, Oral Cavity, and Pharynx	140-149	73	61	1.2	83.6
Of Digestive Organs and Peritoneum	150-159	1,339	1,199	1.1	89.5
Of Respiratory and Intrathoracic Organs	160-165	1,291	1,174	1.1	90.9
Of Breast	174-175	514	428	1.2	83.3
Of Genital Organs	179-187	767	589	1.3	76.8
Of Urinary Organs	188-189	263	217	1.2	82.5
Other and Unspecified Sites	170-173,190-199	1,693	572	3.0	33.8
Leukemia	204-208	226	176	1.3	77.9
Lymphatic and Hematopoietic Tissues	200-203	340	275	1.2	80.9
Benign and Unspecified Neoplasms	210-239	120	58	2.1	48.3
Diabetes Mellitus	250	1,383	445	3.1	32.2
Nutritional Deficiencies	260-269	458	57	8.0	12.4
Anemias	280-285	316	35	9.0	11.1
Meningitis	320-322	28	13	2.2	46.4
Major Cardiovascular Diseases	390-448	11,508	8,105	1.4	70.4
Disease of Heart	390-398,402,404-429	9,560	6,088	1.6	63.7
Rheumatic Fever and Rheumatic Heart Disease	390-398	185	108	1.7	58.4
Hypertensive Heart Disease	402	254	156	1.6	61.4
Hypertensive Heart and Renal Disease	404	26	19	1.4	73.1
Ischemic Heart Disease	410-414	5,273	4,302	1.2	81.6
Acute Myocardial Infarction	410	2,324	2,101	1.1	90.4
Other Acute and Subacute Forms of IHD	411	90	12	7.5	13.3
Angina Pectoris	413	63	16	3.9	25.4
Old MI and Other Chronic IHD	412,414	3,947	2,173	1.8	55.1
Other Diseases of Endocardium	424	276	154	1.8	55.8
All Other Heart Disease	415-423,425-429	6,911	1,349	5.1	19.5
Hypertension with or without Renal Disease	401,403	939	91	10.3	9.7
Cerebrovascular Diseases	430-438	2,331	1,319	1.8	56.6
Intracerebral, Other Intracranial Hemorrhage	431-432	291	198	1.5	68.0
Cerebral Thrombosis, Embolism and Infarction	434.0,434.9	213	120	1.8	56.3
Cerebral Embolism	434.1	26	7	3.7	26.9
All Other Cerebrovascular Diseases	430,433,435-438	1,875	994	1.9	53.0
Atherosclerosis	440	1,097	316	3.5	28.8
Other Diseases of Arteries, Arterioles, Capill.	441-448	477	291	1.6	61.0
Acute Bronchitis and Bronchiolitis	466	19	6	3.2	31.6
Pneumonia and Influenza	480-487	2,188	885	2.5	40.4
Pneumonia	480-486	2,157	860	2.5	39.9
Influenza	487	31	25	1.2	80.6

Table 100, Continued.

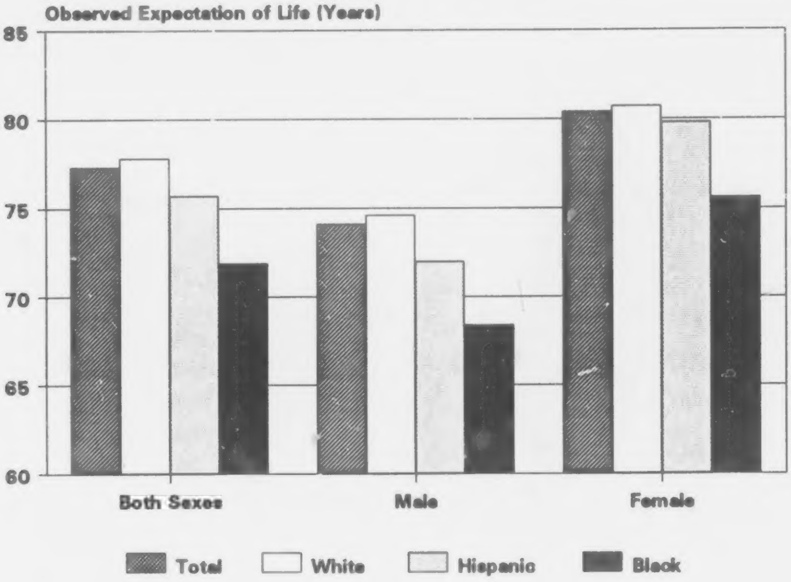
CAUSE OF DEATH	ICD9 CODE	DEATHS WITH CAUSE REPORTED	SELECTED AS UNDERLYING	RATIO OF REPORTED TO UNDERLYING CAUSE	PERCENT TIMES REPORTED CAUSE SELECTED AS UNDERLYING
Chronic Obstructive Pulmonary Diseases	490-496	2,489	1,318	1.9	53.0
Bronchitis, Chronic and Unspecified	490-491	96	57	1.7	59.4
Emphysema	492	417	237	1.8	56.8
Asthma	493	167	83	2.0	49.7
Other Chronic Obstructive Pulmonary Diseases	494-496	1,825	941	1.9	51.6
Ulcer of Stomach and Duodenum	531-533	229	101	2.3	44.1
Appendicitis	540-543	16	12	1.3	75.0
Hernia and Intestinal Obstruction	550-553,560	200	75	2.7	37.5
Chronic Liver Disease and Cirrhosis	571	454	324	1.4	71.4
Cholelithiasis and Other Disorders of Gallbladder	574-575	67	35	1.9	52.2
Nephritis, Nephrotic Syndrome, Nephrosis	580-589	1,054	117	9.0	11.1
Acute Glomerulonephritis and Nephrotic Syndrome	580-581	13	7	1.9	53.8
Other Specified Renal Disease	582-583,587	48	23	2.1	47.9
Renal Disease Not Specified	584-586,588-589	1,027	87	11.8	8.5
Infections of Kidney	590	43	19	2.3	44.2
Hyperplasia of Prostate	600	24	9	2.7	37.5
Complications of Pregnancy, Childbirth	630-676	5	4	1.3	80.0
Pregnancy with Abortive Outcome	630-638	2	2	1.0	100.0
Other Complications of Pregnancy	640-676	3	2	1.5	66.7
Congenital Anomalies	740-759	218	160	1.4	73.4
Certain Conditions Originating in Perinatal Period	760-779	259	178	1.5	68.7
Birth Trauma, Hypoxia, Asphyxia, RDS	767-769	51	36	1.4	70.6
Other Perinatal Conditions	760-766,770-779	253	142	1.8	56.1
Symptoms, Signs and Ill-Defined Conditions	780-799	4,379	185	23.7	4.2
Unintentional Injuries and Adverse Effects	E800-E949	1,881	1,087	1.7	57.8
Motor Vehicle Accidents	E810-E825	569	558	1.0	98.1
All Other	E800-E807,E826-E949	1,319	529	2.5	40.1
Suicide	E950-E959	546	546	1.0	100.0
Homicide and Legal Intervention	E960-E978	159	158	1.0	99.4
All Other External Causes	E980-E999	55	54	1.0	98.2

There were 21,056 Colorado resident deaths in 1989.

Table 101. Total Numbers of Causes of Death Reported on Death Certificates by Age of Decedent: Colorado Residents, 1989

NUMBER OF CAUSES	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	56-64	65-74	75-84	85+
Total	21,056	459	77	57	55	181	219	696	918	1,142	2,394	4,476	5,629	4,753
1	6,980	378	22	14	16	20	30	159	289	442	985	1,527	1,709	1,389
2	8,732	73	46	34	33	154	176	480	515	497	867	1,735	2,195	1,927
3	4,090	8	9	8	6	6	9	48	97	162	429	910	1,283	1,115
4	1,050	0	0	1	0	1	4	8	16	39	93	239	375	274
5+	204	0	0	0	0	0	0	1	1	2	20	65	67	48

Figure 46. Life Expectancy by Race/Ethnicity and Sex: Colorado Residents, 1989



Life expectancies here express the average number of years a person in each group would live if age-specific death rates for 1989 were applicable throughout the person's life.

Table 102. Current Life Expectancies at Birth (Years) by Race/Ethnicity and Sex Colorado, 1989

	YEARS		
	BOTH SEXES	MALE	FEMALE
All Races	77.3	74.1	80.4
White, Non-Hispanic	77.8	74.6	80.7
White, Hispanic	75.7	72.0	79.8
Black	71.9	68.4	75.6

Life expectancies here express the average number of years a person in each group would live if age-specific death rates for 1989 were applicable throughout the person's life.

Table 103. Complete Life Table for Total Colorado Population, 1989

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
0-1.........	0.00807	100,000	807	0.205	99,358	7,733,781	77.34
1-2.........	0.00063	99,193	62	0.500	99,162	7,634,423	76.97
2-3.........	0.00033	99,131	32	0.500	99,115	7,535,261	76.01
3-4.........	0.00024	99,099	24	0.500	99,087	7,436,146	75.04
4-5.........	0.00020	99,075	20	0.500	99,065	7,337,059	74.06
5-6.........	0.00026	99,055	26	0.500	99,042	7,237,994	73.07
6-7.........	0.00025	99,029	25	0.500	99,017	7,138,952	72.09
7-8.........	0.00020	99,004	19	0.500	98,995	7,039,935	71.11
8-9.........	0.00014	98,985	14	0.500	98,978	6,940,941	70.12
9-10........	0.00027	98,971	26	0.500	98,958	6,841,963	69.13
10-11.......	0.00023	98,945	23	0.500	98,934	6,743,005	68.15
11-12.......	0.00017	98,922	17	0.500	98,914	6,644,071	67.16
12-13.......	0.00033	98,905	33	0.500	98,889	6,545,158	66.18
13-14.......	0.00022	98,872	22	0.500	98,861	6,446,269	65.20
14-15.......	0.00025	98,850	24	0.500	98,838	6,347,408	64.21
15-16.......	0.00043	98,826	42	0.500	98,805	6,248,570	63.23
16-17.......	0.00067	98,784	67	0.500	98,751	6,149,765	62.25
17-18.......	0.00080	98,717	79	0.500	98,678	6,051,015	61.30
18-19.......	0.00110	98,638	108	0.500	98,584	5,952,337	60.35
19-20.......	0.00099	98,530	97	0.500	98,482	5,853,753	59.41
20-21.......	0.00090	98,433	89	0.500	98,389	5,755,272	58.47
21-22.......	0.00092	98,344	91	0.500	98,299	5,656,883	57.52
22-23.......	0.00082	98,253	81	0.500	98,213	5,558,585	56.57
23-24.......	0.00094	98,172	92	0.500	98,126	5,460,372	55.62
24-25.......	0.00080	98,080	78	0.500	98,041	5,362,246	54.67
25-26.......	0.00130	98,002	128	0.500	97,938	5,264,205	53.72
26-27.......	0.00124	97,874	121	0.500	97,814	5,166,267	52.78
27-28.......	0.00088	97,753	86	0.500	97,710	5,068,454	51.85
28-29.......	0.00106	97,667	104	0.500	97,615	4,970,744	50.89
29-30.......	0.00101	97,563	98	0.500	97,514	4,873,129	49.95
30-31.......	0.00112	97,465	109	0.500	97,411	4,775,615	49.00
31-32.......	0.00106	97,356	103	0.500	97,305	4,678,204	48.05
32-33.......	0.00133	97,253	130	0.500	97,188	4,580,900	47.10
33-34.......	0.00122	97,123	118	0.500	97,064	4,483,712	46.17
34-35.......	0.00122	97,005	119	0.500	96,946	4,386,648	45.22
35-36.......	0.00137	96,886	133	0.500	96,820	4,289,702	44.28
36-37.......	0.00116	96,753	113	0.500	96,697	4,192,883	43.34
37-38.......	0.00147	96,640	142	0.500	96,569	4,096,186	42.39
38-39.......	0.00144	96,498	139	0.500	96,429	3,999,617	41.45
39-40.......	0.00174	96,359	168	0.500	96,275	3,903,189	40.51
40-41.......	0.00177	96,191	171	0.500	96,[illegible]	3,806,914	39.58
41-42.......	0.00196	96,020	188	0.500	95,[illegible]26	3,710,808	38.65
42-43.......	0.00231	95,832	222	0.500	95,721	3,614,882	37.72
43-44.......	0.00161	95,610	154	0.500	95,533	3,519,161	36.81
44-45.......	0.00170	95,456	163	0.500	95,375	3,423,628	35.87
45-46.......	0.00250	95,293	239	0.500	95,174	3,328,254	34.93
46-47.......	0.00268	95,054	254	0.500	94,927	3,233,080	34.01
47-48.......	0.00277	94,800	262	0.500	94,669	3,138,153	33.10
48-49.......	0.00252	94,538	239	0.500	94,419	3,043,484	32.19
49-50.......	0.00313	94,299	295	0.500	94,152	2,949,066	31.27
50-51.......	0.00328	94,004	308	0.500	93,850	2,854,914	30.37
51-52.......	0.00402	93,696	377	0.500	93,508	2,761,064	29.47
52-53.......	0.00411	93,319	384	0.500	93,127	2,667,557	28.59
53-54.......	0.00490	92,935	455	0.500	92,708	2,574,430	27.70
54-55.......	0.00551	92,480	509	0.500	92,226	2,481,722	26.84

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
55-56.......	0.00713	91,971	655	0.500	91,644	2,389,497	25.98
56-57.......	0.00601	91,316	549	0.500	91,042	2,297,853	25.16
57-58.......	0.00736	90,767	668	0.500	90,433	2,206,812	24.31
58-59.......	0.00819	90,099	738	0.500	89,730	2,116,379	23.49
59-60.......	0.00960	89,361	858	0.500	88,932	2,026,649	22.68
60-61.......	0.01025	88,503	907	0.500	88,050	1,937,717	21.89
61-62.......	0.01008	87,596	883	0.500	87,155	1,849,667	21.12
62-63.......	0.01069	86,713	927	0.500	86,250	1,762,513	20.33
63-64.......	0.01132	85,786	971	0.500	85,301	1,676,263	19.54
64-65.......	0.01377	84,815	1,168	0.500	84,231	1,590,963	18.76
65-66.......	0.01488	83,647	1,245	0.500	83,025	1,506,732	18.01
66-67.......	0.01713	82,402	1,411	0.500	81,697	1,423,707	17.28
67-68.......	0.02139	80,991	1,733	0.500	80,125	1,342,011	16.57
68-69.......	0.02049	79,258	1,624	0.500	78,446	1,261,886	15.92
69-70.......	0.02176	77,634	1,689	0.500	76,790	1,183,440	15.24
70-71.......	0.02260	75,945	1,716	0.500	75,087	1,106,651	14.57
71-72.......	0.02445	74,229	1,815	0.500	73,322	1,031,564	13.90
72-73.......	0.03064	72,414	2,218	0.500	71,305	958,242	13.23
73-74.......	0.02876	70,196	2,019	0.500	69,187	886,937	12.64
74-75.......	0.03479	68,177	2,372	0.500	66,991	817,751	11.99
75-76.......	0.03510	65,805	2,310	0.500	64,650	750,760	11.41
76-77.......	0.04089	63,495	2,596	0.500	62,197	686,110	10.81
77-78.......	0.04560	60,899	2,777	0.500	59,511	623,913	10.25
78-79.......	0.04771	58,122	2,773	0.500	56,736	564,402	9.71
79-80.......	0.05522	55,349	3,057	0.500	53,821	507,667	9.17
80-81.......	0.05742	52,292	3,002	0.500	50,791	453,846	8.68
81-82.......	0.06224	49,290	3,068	0.500	47,756	403,055	8.18
82-83.......	0.07809	46,222	3,610	0.500	44,417	355,299	7.69
83-84.......	0.08291	42,612	3,533	0.500	40,846	310,882	7.30
84-85.......	0.08450	39,079	3,302	0.500	37,428	270,037	6.91
85-86.......	0.08338	35,777	2,983	0.500	34,286	232,609	6.50
86-87.......	0.08925	32,794	2,927	0.500	31,331	198,323	6.05
87-88.......	0.09685	29,867	2,893	0.500	28,421	166,993	5.59
88-89.......	0.11386	26,974	3,071	0.500	25,439	138,572	5.14
89-90.......	0.12765	23,903	3,051	0.500	22,378	113,134	4.73
90+.........	1.00000	20,852	20,852	-	90,756	90,756	4.35

Table 104. Complete Life Table for Male Colorado Population, 1989

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
0-1.........	0.00957	100,000	957	0.208	99,242	7,411,624	74.12
1-2.........	0.00060	99,043	59	0.500	99,014	7,312,382	73.83
2-3.........	0.00043	98,984	42	0.500	98,963	7,213,368	72.87
3-4.........	0.00022	98,942	21	0.500	98,932	7,114,405	71.90
4-5.........	0.00029	98,921	29	0.500	98,907	7,015,474	70.92
5-6.........	0.00044	98,892	44	0.500	98,870	6,916,567	69.94
6-7.........	0.00019	98,848	18	0.500	98,839	6,817,697	68.97
7-8.........	0.00034	98,830	34	0.500	98,813	6,718,858	67.98
8-9.........	0.00023	98,796	23	0.500	98,785	6,620,045	67.01
9-10........	0.00036	98,773	36	0.500	98,755	6,521,261	66.02
10-11.......	0.00033	98,737	33	0.500	98,721	6,422,506	65.05
11-12.......	0.00017	98,704	17	0.500	98,696	6,323,785	64.07
12-13.......	0.00035	98,687	34	0.500	98,670	6,225,090	63.08
13-14.......	0.00026	98,653	26	0.500	98,640	6,126,420	62.10
14-15.......	0.00022	98,627	22	0.500	98,616	6,027,780	61.12
15-16.......	0.00074	98,605	73	0.500	98,569	5,929,164	60.13
16-17.......	0.00083	98,532	82	0.500	98,491	5,830,595	59.17
17-18.......	0.00099	98,450	98	0.500	98,401	5,732,104	58.22
18-19.......	0.00140	98,352	137	0.500	98,284	5,633,703	57.28
19-20.......	0.00145	98,215	143	0.500	98,144	5,535,420	56.36
20-21.......	0.00101	98,072	99	0.500	98,023	5,437,276	55.44
21-22.......	0.00126	97,973	124	0.500	97,911	5,339,254	54.50
22-23.......	0.00119	97,849	117	0.500	97,791	5,241,343	53.57
23-24.......	0.00117	97,732	114	0.500	97,675	5,143,552	52.63
24-25.......	0.00119	97,618	116	0.500	97,560	5,045,877	51.69
25-26.......	0.00187	97,502	182	0.500	97,411	4,948,317	50.75
26-27.......	0.00162	97,320	158	0.500	97,241	4,850,906	49.84
27-28.......	0.00134	97,162	130	0.500	97,097	4,753,665	48.93
28-29.......	0.00154	97,032	149	0.500	96,958	4,656,568	47.99
29-30.......	0.00168	96,883	163	0.500	96,802	4,559,611	47.06
30-31.......	0.00137	96,720	133	0.500	96,654	4,462,809	46.14
31-32.......	0.00133	96,587	129	0.500	96,523	4,366,156	45.20
32-33.......	0.00188	96,458	182	0.500	96,367	4,269,633	44.26
33-34.......	0.00154	96,276	148	0.500	96,202	4,173,266	43.35
34-35.......	0.00178	96,128	171	0.500	96,043	4,077,064	42.41
35-36.......	0.00181	95,957	174	0.500	95,870	3,981,022	41.49
36-37.......	0.00143	95,783	137	0.500	95,715	3,885,152	40.56
37-38.......	0.00198	95,646	190	0.500	95,551	3,789,437	39.62
38-39.......	0.00202	95,456	193	0.500	95,360	3,693,886	38.70
39-40.......	0.00254	95,263	242	0.500	95,142	3,598,527	37.77
40-41.......	0.00229	95,021	218	0.500	94,912	3,503,385	36.87
41-42.......	0.00257	94,803	244	0.500	94,681	3,408,473	35.95
42-43.......	0.00261	94,559	246	0.500	94,436	3,313,792	35.04
43-44.......	0.00197	94,313	186	0.500	94,220	[illegible]219,356	34.13
44-45.......	0.00223	94,127	210	0.500	94,022	3,125,136	33.20
45-46.......	0.00352	93,917	330	0.500	93,752	3,031,114	32.27
46-47.......	0.00326	93,587	305	0.500	93,435	2,937,362	31.39
47-48.......	0.00364	93,282	340	0.500	93,112	2,843,927	30.49
48-49.......	0.00345	92,942	321	0.500	92,782	2,750,815	29.60
49-50.......	0.00405	92,621	375	0.500	92,434	2,658,034	28.70
50-51.......	0.00405	92,246	373	0.500	92,060	2,565,600	27.81
51-52.......	0.00522	91,873	480	0.500	91,633	2,473,541	26.92
52-53.......	0.00543	91,393	496	0.500	91,145	2,381,908	26.06
53-54.......	0.00610	90,897	555	0.500	90,620	2,290,763	25.20
54-55.......	0.00721	90,342	651	0.500	90,017	2,200,143	24.35

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
55-56.......	0.00862	89,691	773	0.500	89,305	2,110,127	23.53
56-57.......	0.00773	88,918	687	0.500	88,575	2,020,822	22.73
57-58.......	0.01087	88,231	959	0.500	87,752	1,932,248	21.90
58-59.......	0.01102	87,272	962	0.500	86,791	1,844,496	21.14
59-60.......	0.01080	86,310	932	0.500	85,844	1,757,705	20.37
60-61.......	0.01351	85,378	1,153	0.500	84,802	1,671,861	19.58
61-62.......	0.01297	84,225	1,092	0.500	83,679	1,587,060	18.84
62-63.......	0.01284	83,133	1,068	0.500	82,599	1,503,381	18.08
63-64.......	0.01528	82,065	1,254	0.500	81,438	1,420,782	17.31
64-65.......	0.01786	80,811	1,443	0.500	80,090	1,339,344	16.57
65-66.......	0.01893	79,368	1,502	0.500	78,617	1,259,254	15.87
66-67.......	0.02142	77,866	1,668	0.500	77,032	1,180,637	15.16
67-68.......	0.02881	76,198	2,195	0.500	75,101	1,103,605	14.48
68-69.......	0.02758	74,003	2,041	0.500	72,983	1,028,505	13.90
69-70.......	0.03038	71,962	2,186	0.500	70,869	955,522	13.28
70-71.......	0.03037	69,776	2,119	0.500	68,717	884,653	12.68
71-72.......	0.03292	67,657	2,227	0.500	66,544	815,937	12.06
72-73.......	0.04100	65,430	2,683	0.500	64,089	749,393	11.45
73-74.......	0.04009	62,747	2,516	0.500	61,489	685,305	10.92
74-75.......	0.04572	60,231	2,754	0.500	58,854	623,816	10.36
75-76.......	0.04547	57,477	2,614	0.500	56,170	564,962	9.83
76-77.......	0.05289	54,863	2,902	0.500	53,412	508,792	9.27
77-78.......	0.05997	51,961	3,116	0.500	50,403	455,380	8.76
78-79.......	0.06236	48,845	3,046	0.500	47,322	404,977	8.29
79-80.......	0.07292	45,799	3,340	0.500	44,129	357,655	7.81
80-81.......	0.07203	42,459	3,058	0.500	40,930	313,526	7.38
81-82.......	0.08145	39,401	3,209	0.500	37,797	272,596	6.92
82-83.......	0.10847	36,192	3,926	0.500	34,229	234,799	6.49
83-84.......	0.10887	32,266	3,513	0.500	30,510	200,570	6.22
84-85.......	0.10974	28,753	3,155	0.500	27,176	170,061	5.91
85-86.......	0.11000	25,598	2,816	0.500	24,190	142,885	5.58
86-87.......	0.11145	22,782	2,539	0.500	21,513	118,695	5.21
87-88.......	0.11434	20,243	2,315	0.500	19,086	97,183	4.80
88-89.......	0.14809	17,928	2,655	0.500	16,601	78,097	4.36
89-90.......	0.16425	15,273	2,509	0.500	14,019	61,497	4.03
90+.........	1.00000	12,764	12,764	-	47,478	47,478	3.72

Table 105. Complete Life Table for Female Colorado Population, 1989

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
0-1.........	0.00649	100,000	649	0.204	99,483	8,044,281	80.44
1-2.........	0.00066	99,351	66	0.500	99,318	7,944,798	79.97
2-3.........	0.00022	99,285	22	0.500	99,274	7,845,480	79.02
3-4.........	0.00026	99,263	26	0.500	99,250	7,746,206	78.04
4-5.........	0.00011	99,237	11	0.500	99,232	7,646,956	77.06
5-6.........	0.00008	99,226	8	0.500	99,222	7,547,724	76.07
6-7.........	0.00031	99,218	31	0.500	99,203	7,448,502	75.07
7-8.........	0.00004	99,187	4	0.500	99,185	7,349,300	74.10
8-9.........	0.00004	99,183	4	0.500	99,181	7,250,115	73.10
9-10........	0.00017	99,179	17	0.500	99,171	7,150,934	72.10
10-11.......	0.00013	99,162	13	0.500	99,156	7,051,763	71.11
11-12.......	0.00018	99,149	18	0.500	99,140	6,952,608	70.12
12-13.......	0.00032	99,131	32	0.500	99,115	6,853,468	69.14
13-14.......	0.00018	99,099	18	0.500	99,090	6,754,353	68.16
14-15.......	0.00028	99,081	27	0.500	99,068	6,655,263	67.17
15-16.......	0.00009	99,054	9	0.500	99,050	6,556,195	66.19
16-17.......	0.00051	99,045	50	0.500	99,020	6,457,146	65.19
17-18.......	0.00060	98,995	59	0.500	98,966	6,358,126	64.23
18-19.......	0.00077	98,936	76	0.500	98,898	6,259,160	63.26
19-20.......	0.00049	98,860	49	0.500	98,836	6,160,262	62.31
20-21.......	0.00079	98,811	78	0.500	98,772	6,061,427	61.34
21-22.......	0.00056	98,733	55	0.500	98,706	5,962,655	60.39
22-23.......	0.00042	98,678	41	0.500	98,658	5,863,949	59.43
23-24.......	0.00069	98,637	68	0.500	98,603	5,765,292	58.45
24-25.......	0.00039	98,569	39	0.500	98,550	5,666,689	57.49
25-26.......	0.00072	98,530	71	0.500	98,495	5,568,139	56.51
26-27.......	0.00084	98,459	83	0.500	98,418	5,469,645	55.55
27-28.......	0.00043	98,376	42	0.500	98,355	5,371,227	54.60
28-29.......	0.00058	98,334	57	0.500	98,306	5,272,872	53.62
29-30.......	0.00033	98,277	33	0.500	98,261	5,174,567	52.65
30-31.......	0.00087	98,244	85	0.500	98,202	5,076,306	51.67
31-32.......	0.00079	98,159	77	0.500	98,121	4,978,105	50.71
32-33.......	0.00077	98,082	76	0.500	98,044	4,879,984	49.75
33-34.......	0.00089	98,006	88	0.500	97,962	4,781,940	48.79
34-35.......	0.00065	97,918	64	0.500	97,886	4,683,978	47.84
35-36.......	0.00091	97,854	89	0.500	97,810	4,586,092	46.87
36-37.......	0.00089	97,765	87	0.500	97,722	4,488,283	45.91
37-38.......	0.00094	97,678	92	0.500	97,632	4,390,561	44.95
38-39.......	0.00084	97,586	82	0.500	97,545	4,292,929	43.99
39-40.......	0.00090	97,504	88	0.500	97,460	4,195,384	43.03
40-41.......	0.00124	97,416	121	0.500	97,356	4,097,924	42.07
41-42.......	0.00134	97,295	130	0.500	97,230	4,000,569	41.12
42-43.......	0.00202	97,165	196	0.500	97,067	3,903,339	40.17
43-44.......	0.00124	96,969	120	0.500	96,909	3,806,272	39.25
44-45.......	0.00117	96,849	114	0.500	96,792	3,709,363	38.30
45-46.......	0.00148	96,735	144	0.500	96,663	3,612,571	37.35
46-47.......	0.00209	96,591	202	0.500	96,490	3,515,908	36.40
47-48.......	0.00189	96,389	183	0.500	96,298	3,419,418	35.48
48-49.......	0.00160	96,206	154	0.500	96,129	3,323,120	34.54
49-50.......	0.00222	96,052	213	0.500	95,946	3,226,991	33.60
50-51.......	0.00252	95,839	241	0.500	95,719	3,131,046	32.67
51-52.......	0.00283	95,598	271	0.500	95,463	3,035,327	31.75
52-53.......	0.00280	95,327	267	0.500	95,194	2,939,865	30.84
53-54.......	0.00371	95,060	353	0.500	94,884	2,844,671	29.93
54-55.......	0.00385	94,707	364	0.500	94,525	2,749,788	29.03

AGE INTERVAL IN YEARS	PROPORTION DYING IN INTERVAL (X,X+1) (2)	NUMBER LIVING AT AGE X (3)	NUMBER DYING IN INTERVAL (X,X+1) (4)	FRACTION OF LAST YEAR OF LIFE (5)	NUMBER OF YEARS LIVED IN INTERVAL (X,X+1) (6)	TOTAL NUMBER OF YEARS LIVED BEYOND AGE X (7)	OBSERVED EXPECTATION OF LIFE AT AGE X (8)
55-56.......	0.00568	94,343	536	0.500	94,075	2,655,263	28.14
56-57.......	0.00436	93,807	409	0.500	93,603	2,561,188	27.30
57-58.......	0.00403	93,398	376	0.500	93,210	2,467,585	26.42
58-59.......	0.00554	93,022	515	0.500	92,765	2,374,375	25.52
59-60.......	0.00849	92,507	785	0.500	92,115	2,281,611	24.66
60-61.......	0.00728	91,722	668	0.500	91,388	2,189,496	23.87
61-62.......	0.00749	91,054	682	0.500	90,713	2,098,108	23.04
62-63.......	0.00879	90,372	794	0.500	89,975	2,007,395	22.21
63-64.......	0.00784	89,578	702	0.500	89,227	1,917,420	21.41
64-65.......	0.01020	88,876	906	0.500	88,423	1,828,193	20.57
65-66.......	0.01138	87,970	1,001	0.500	87,470	1,739,770	19.78
66-67.......	0.01344	86,969	1,169	0.500	86,385	1,652,301	19.00
67-68.......	0.01507	85,800	1,293	0.500	85,154	1,565,916	18.25
68-69.......	0.01452	84,507	1,227	0.500	83,894	1,480,763	17.52
69-70.......	0.01463	83,280	1,218	0.500	82,671	1,396,869	16.77
70-71.......	0.01628	82,062	1,336	0.500	81,394	1,314,198	16.01
71-72.......	0.01769	80,726	1,428	0.500	80,012	1,232,804	15.27
72-73.......	0.02252	79,298	1,785	0.500	78,406	1,152,792	14.54
73-74.......	0.02008	77,513	1,556	0.500	76,735	1,074,387	13.86
74-75.......	0.02662	75,957	2,022	0.500	74,946	997,652	13.13
75-76.......	0.02759	73,935	2,040	0.500	72,915	922,706	12.48
76-77.......	0.03243	71,895	2,332	0.500	70,729	849,791	11.82
77-78.......	0.03579	69,563	2,490	0.500	68,318	779,062	11.20
78-79.......	0.03809	67,073	2,555	0.500	65,796	710,744	10.60
79-80.......	0.04405	64,518	2,842	0.500	63,097	644,948	10.00
80-81.......	0.04863	61,676	2,999	0.500	60,177	581,851	9.43
81-82.......	0.05123	58,677	3,006	0.500	57,174	521,675	8.89
82-83.......	0.06143	55,671	3,420	0.500	53,961	464,501	8.34
83-84.......	0.06950	52,251	3,632	0.500	50,435	410,540	7.86
84-85.......	0.07216	48,619	3,508	0.500	46,865	360,105	7.41
85-86.......	0.07057	45,111	3,183	0.500	43,520	313,240	6.94
86-87.......	0.07898	41,928	3,312	0.500	40,272	269,720	6.43
87-88.......	0.08918	38,616	3,444	0.500	36,894	229,448	5.94
88-89.......	0.09953	35,172	3,501	0.500	33,422	192,554	5.47
89-90.......	0.11343	31,671	3,592	0.500	29,875	159,133	5.02
90+.........	1.00000	28,079	28,079	-	129,258	129,258	4.60

Death Data by County and Region

Deaths statistics by county and region appear in Tables 106 through 114. Numbers of deaths and crude death rates for selected years are shown in Table 106. Figure 47 compares crude death rates by county for 1989, indicating that the highest crude rates were in the eastern and southern portions of the state. As crude death rates do not take differences in age distribution into account, care should be used in assessing these data. Also, some rates are based on relatively few numbers of deaths.

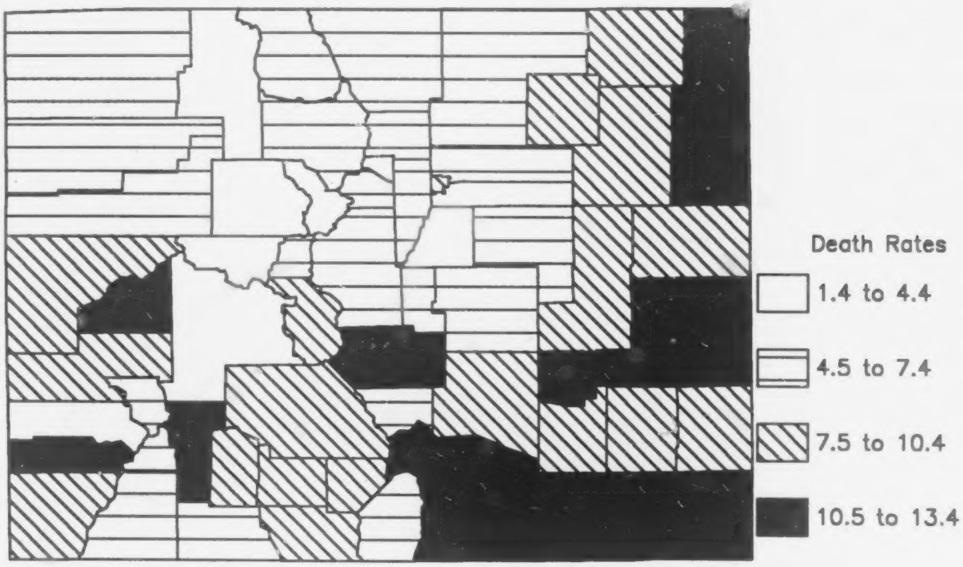
Numbers of infant deaths and infant mortality rates for selected years appear in Table 107. Infant mortality rates by county in 1989 appear in Figure 48. As with the map showing crude death rates, small numbers of cases in many counties qualify results.

Table 108 shows deaths by county and region by age group in 1989. Table 109 shows deaths by city by age group. Age-specific death rates by sex are shown in Table 110, and numbers of deaths by race/ethnicity and sex appear in Table 111. Table 112 details deaths and crude death rates for leading causes in 1989.

As an alternative to crude death rates, Table 113 shows age-adjusted death rates with 95 percent confidence limits for total deaths and by sex. Figure 49 indicates results by detailing which counties experienced age-adjusted death rates that were significantly higher or lower than the statewide rate in 1989.

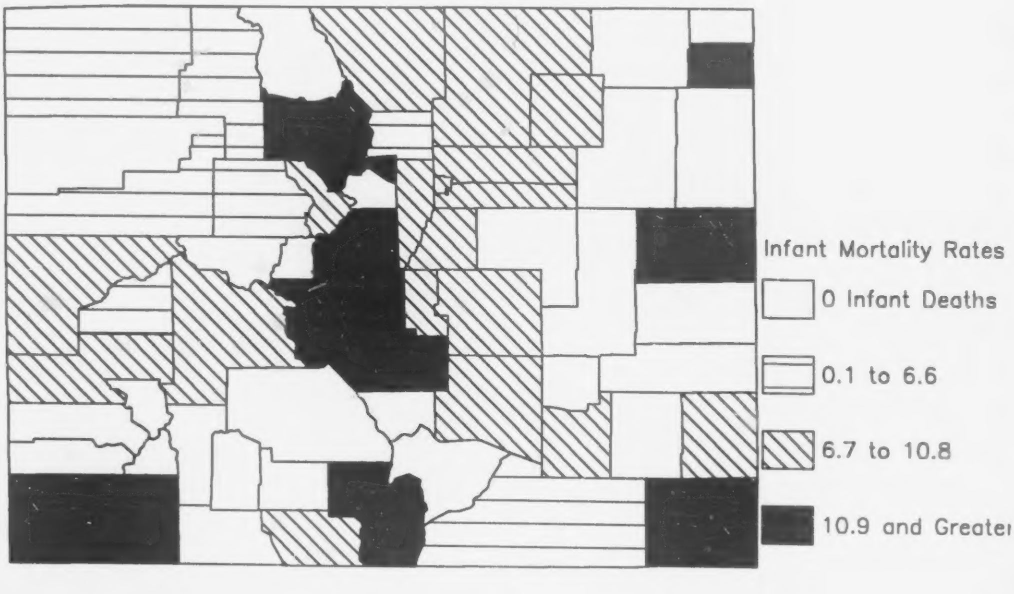
Table 114 presents information on autopsies reported and certifier type for Colorado occurrence deaths by county and region.

Figure 47. Crude Death Rates by County: Colorado Residents, 1989


Death Rates
1.4 to 4.4
4.5 to 7.4
7.5 to 10.4
10.5 to 13.4

Some rates are based on small numbers of events. Crude rates do not take differences in age distribution into account.

Figure 48. Infant Mortality Rates by County: Colorado Residents, 1989


Infant Mortality Rates
0 Infant Deaths
0.1 to 6.6
6.7 to 10.8
10.9 and Greate

Some rates are based on small numbers of events.

Figure 49. Age-Adjusted Death Rates by Sex by County: Colorado Residents, 1989
(county rates significantly different from state rate--95 percent confidence)

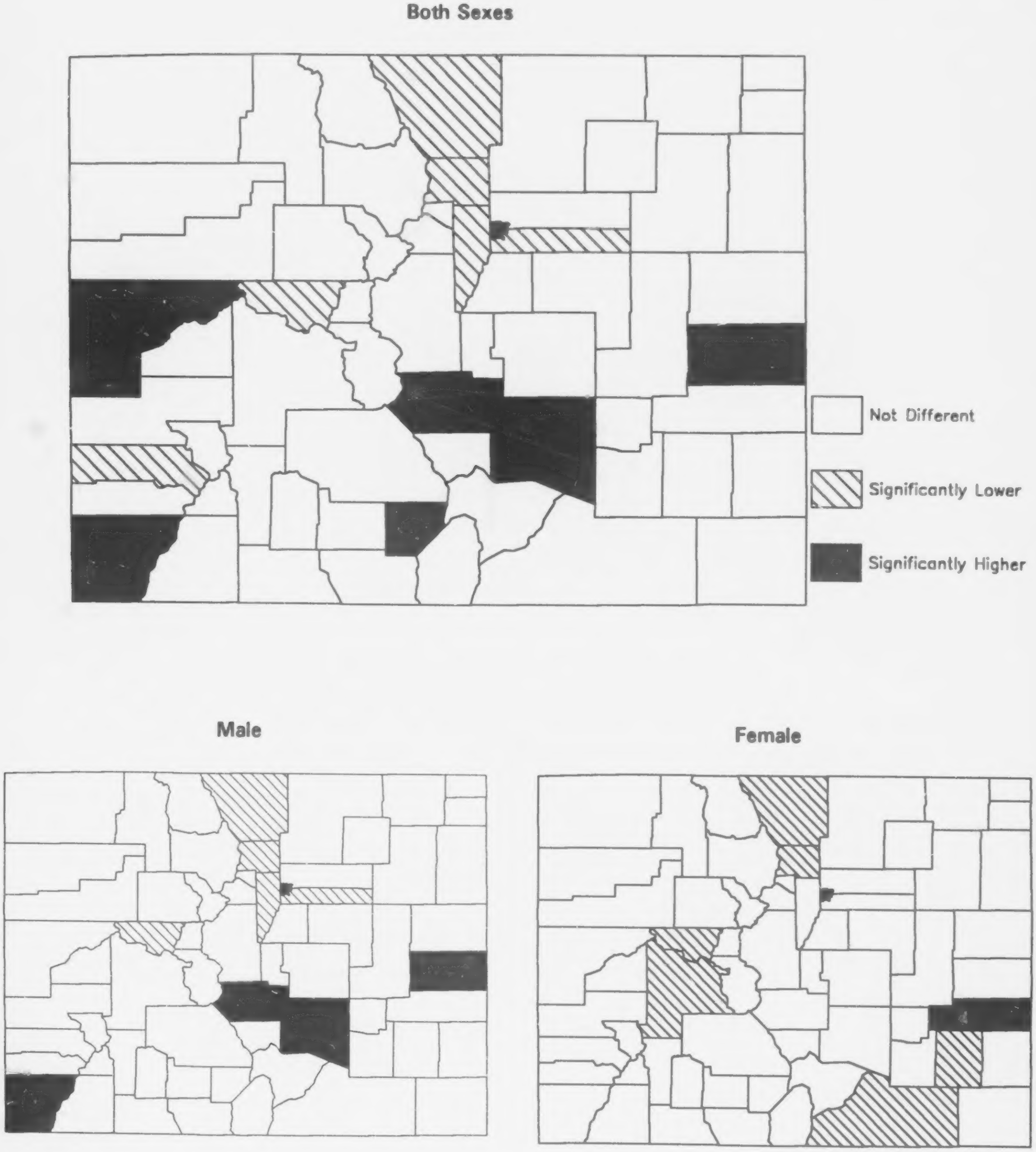

Both Sexes
Not Different
Significantly Lower
Significantly Higher
Male
Female

Table 106. Deaths and Crude Death Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1985-89

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	17,439	7.8	17,401	6.7	18,927	6.5	20,234	6.3	20,768	6.4	21,089	6.4	21,312	6.5	21,056	6.3
Adams	879	4.7	1,081	4.9	1,272	5.1	1,304	4.8	1,425	5.3	1,540	5.7	1,486	5.5	1,429	5.3
Alamosa	74	6.4	70	5.7	71	6.0	79	6.3	84	6.6	90	7.1	99	7.7	103	8.1
Arapahoe	847	5.2	1,000	4.5	1,333	4.5	1,602	4.2	1,693	4.4	1,665	4.3	1,723	4.5	1,712	4.4
Archuleta	17	6.3	28	9.4	20	5.4	22	4.2	40	7.5	30	5.7	42	8.4	35	6.7
Baca	69	12.2	56	9.9	53	9.9	62	13.0	56	12.5	48	10.8	64	13.9	52	11.6
Bent	56	8.6	62	9.7	52	8.8	64	11.2	66	11.5	55	10.1	71	13.0	48	9.2
Boulder	769	5.8	784	4.7	908	4.8	1,064	5.0	1,007	4.7	1,061	4.9	1,071	4.9	1,065	4.7
Chaffee	98	9.5	106	8.7	115	8.7	107	8.8	136	11.0	107	8.7	120	9.8	121	9.8
Cheyenne	20	8.4	24	10.7	19	8.9	21	8.6	24	10.2	27	11.8	26	10.6	35	13.4
Clear Creek	35	7.0	28	4.6	36	4.9	40	5.2	37	4.7	26	3.5	33	4.5	35	4.8
Conejos	53	6.8	67	8.3	61	7.9	60	7.5	79	9.7	71	8.5	49	6.0	63	7.9
Costilla	30	9.7	28	8.9	38	12.5	20	6.0	36	10.9	24	7.2	23	6.8	21	6.4
Crowley	50	16.2	35	10.5	42	14.2	36	11.2	42	12.9	33	9.7	31	7.1	48	10.7
Custer	12	10.6	16	14.0	8	5.4	22	10.5	18	8.5	6	2.9	12	5.9	15	7.4
Delta	220	14.4	216	12.3	228	10.6	245	10.2	222	9.7	266	11.8	248	11.1	265	12.0
Denver	5,357	10.4	4,580	9.1	4,520	9.2	4,541	8.9	4,624	9.0	4,509	8.8	4,458	8.9	4,415	8.9
Dolores	13	7.9	16	10.1	9	5.5	9	5.9	11	7.2	13	8.7	11	6.9	17	10.9
Douglas	66	7.7	63	4.3	91	3.6	129	3.5	122	3.0	133	3.1	171	3.7	162	3.3
Eagle	45	5.8	49	4.6	43	3.2	41	2.2	56	2.9	61	3.2	53	2.7	40	1.9
Elbert	39	10.0	28	5.6	48	7.0	42	5.0	49	5.6	40	4.3	43	4.4	56	5.9
El Paso	1,425	6.0	1,574	5.4	1,707	5.5	1,851	5.0	2,010	5.3	2,118	5.4	2,068	5.2	2,172	5.5
Fremont	334	15.1	356	13.5	353	12.3	374	12.4	344	11.5	358	12.0	415	13.7	399	13.2
Garfield	157	10.5	161	8.7	155	6.8	172	6.8	173	6.8	193	7.5	178	6.7	206	7.4
Gilpin	13	10.0	12	6.4	10	4.1	17	6.3	12	4.3	10	3.6	13	4.9	10	3.9
Grand	29	6.8	25	3.8	34	4.5	41	4.3	30	3.1	37	3.9	29	3.2	40	4.5
Gunnison	34	4.4	39	4.2	47	4.4	50	4.5	51	4.3	58	4.8	52	4.3	36	3.0
Hinsdale	3	14.6	1	2.9	2	5.3	0	0.0	3	8.3	2	5.2	4	11.1	4	11.7
Huerfano	98	15.0	91	13.6	87	13.6	81	11.2	80	11.1	69	9.8	68	9.8	86	12.6
Jackson	11	5.9	9	5.2	3	1.6	7	4.4	7	4.5	12	7.5	16	10.4	9	6.2
Jefferson	1,321	5.5	1,497	4.7	1,847	4.9	2,182	5.3	2,149	5.1	2,161	5.1	2,419	5.7	2,219	5.2
Kiowa	21	10.3	21	10.1	23	12.1	12	6.5	15	8.3	16	9.0	10	5.8	21	12.2
Kit Carson	60	7.9	63	8.1	73	9.7	69	8.9	75	9.8	51	6.8	70	9.2	74	9.8
Lake	60	7.2	40	4.6	40	4.5	33	4.8	35	5.3	32	5.1	33	5.5	31	5.0
La Plata	158	8.1	173	7.3	210	7.7	182	5.9	204	6.8	192	6.4	196	6.5	198	6.4
Larimer	659	7.2	723	6.0	801	5.3	962	5.6	1,085	6.2	1,015	5.7	992	5.5	1,042	5.7
Las Animas	187	11.8	202	12.8	166	11.1	163	11.4	191	13.5	197	13.6	162	11.4	161	11.5
Lincoln	59	12.1	66	13.1	64	13.9	51	11.1	47	10.5	51	11.4	62	13.4	47	10.2
Logan	171	9.0	166	8.6	165	8.3	163	8.2	154	8.1	170	9.1	181	9.5	162	8.5
Mesa	587	10.8	576	9.1	675	8.2	682	7.7	717	8.3	751	8.7	848	9.6	819	8.9
Mineral	5	6.3	3	3.8	7	9.0	4	5.2	5	7.2	1	1.5	6	10.0	4	7.6
Moffat	58	8.9	52	6.5	60	4.6	63	5.0	60	5.0	63	5.7	81	7.5	55	5.2
Montezuma	119	9.1	115	7.6	138	8.3	109	6.1	149	8.6	144	8.7	149	9.1	163	9.9
Montrose	204	11.1	176	8.5	193	7.9	238	9.3	200	7.9	228	9.0	222	8.6	238	9.0
Morgan	188	9.3	186	8.5	194	8.6	218	9.6	223	10.2	230	10.4	233	10.4	202	8.9
Otero	282	12.0	254	10.5	242	10.7	255	11.5	212	9.7	238	11.1	237	11.0	218	10.3
Ouray	15	9.7	20	10.9	12	6.3	10	5.1	16	8.8	16	8.2	18	9.1	10	5.0
Park	20	9.0	25	7.7	25	4.6	31	5.1	25	4.1	41	6.7	35	5.8	28	4.6
Phillips	55	13.5	55	12.9	63	14.0	60	13.4	47	10.4	56	12.4	37	8.3	51	11.6
Pitkin	25	3.9	27	3.0	40	3.9	27	2.2	33	2.5	27	2.0	25	1.9	21	1.5
Prowers	145	10.9	149	10.8	127	9.8	120	8.5	126	9.1	148	10.8	121	8.7	115	8.6
Pueblo	982	8.3	1,038	8.2	1,105	8.8	1,127	8.9	1,126	8.8	1,205	9.2	1,192	9.0	1,159	8.7
Rio Blanco	50	10.3	46	8.8	51	8.1	37	6.2	30	5.2	37	6.5	38	7.0	30	5.8
Rio Grande	119	11.4	110	10.1	111	10.5	115	10.1	95	8.1	115	9.9	107	9.4	98	9.0
Routt	65	9.6	52	5.3	52	3.9	62	4.2	55	3.8	60	4.1	47	3.2	53	3.6
Saguache	38	9.9	25	6.0	38	9.7	34	8.7	41	10.2	31	7.6	27	6.9	33	8.6
San Juan	7	8.4	5	5.6	1	1.2	5	6.7	6	8.1	4	5.0	2	2.7	4	5.3
San Miguel	22	11.2	16	7.0	7	2.2	5	1.4	12	3.2	8	2.0	14	3.4	8	1.9

AREA	1970 NUMBER	1970 RATE	1975 NUMBER	1975 RATE	1980 NUMBER	1980 RATE	1985 NUMBER	1985 RATE	1986 NUMBER	1986 RATE	1987 NUMBER	1987 RATE	1988 NUMBER	1988 RATE	1989 NUMBER	1989 RATE
Sedgwick	42	12.3	31	9.1	32	10.0	39	12.7	27	9.2	38	13.0	30	10.2	39	13.4
Summit	16	5.7	12	2.0	20	2.2	25	1.8	17	1.2	16	1.2	22	1.6	20	1.4
Teller	21	6.2	39	6.7	49	6.1	62	5.9	58	5.3	57	5.0	52	4.6	53	4.7
Washington	54	9.8	60	11.6	63	12.0	61	11.5	52	10.2	54	10.6	46	9.1	42	8.7
Weld	670	7.4	652	6.0	787	6.4	830	6.1	840	6.1	874	6.2	806	5.7	841	5.9
Yuma	101	11.9	118	13.4	81	8.4	95	9.6	104	10.8	100	10.5	115	11.9	98	10.5
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	611	10.1	616	9.8	598	9.2	636	9.7	607	9.6	648	10.3	642	10.1	594	9.4
2	1,329	7.3	1,375	6.0	1,588	5.8	1,792	5.8	1,925	6.2	1,889	5.9	1,798	5.6	1,883	5.8
3	9,287	7.4	9,045	6.3	10,017	6.1	10,879	5.9	11,069	6.0	11,105	6.0	11,374	6.1	11,047	5.9
4	1,466	6.0	1,638	5.4	1,781	5.5	1,944	5.0	2,093	5.3	2,216	5.4	2,155	5.2	2,253	5.4
5	178	9.5	181	9.1	204	9.6	183	7.9	195	8.4	169	7.2	201	8.2	212	8.7
6	623	11.5	577	10.4	539	10.4	549	10.6	517	10.1	538	10.7	534	10.4	502	9.9
7	982	8.3	1,038	8.2	1,105	8.8	1,127	8.9	1,126	8.8	1,205	9.2	1,192	9.0	1,159	8.7
8	319	8.5	303	7.7	326	8.6	312	7.8	340	8.4	332	8.1	311	7.7	322	8.2
9	314	8.3	337	7.6	378	7.6	327	5.8	410	7.4	383	7.0	400	7.4	417	7.6
10	498	11.0	468	9.0	489	7.9	548	8.2	504	7.6	578	8.7	558	8.4	561	8.4
11	852	10.5	835	8.8	941	7.5	954	7.2	980	7.6	1,044	8.1	1,145	8.8	1,110	8.2
12	191	6.4	174	4.0	192	3.5	203	2.9	198	2.8	213	3.0	192	2.7	183	2.5
13	504	12.0	518	10.7	516	9.9	536	10.4	533	10.5	503	9.9	580	11.5	566	11.1
14	285	12.7	293	13.0	253	11.9	244	11.4	271	12.7	266	12.4	230	10.9	247	11.8
METRO/NON-METRO:																
Denver PMSA	8,470	7.6	8,221	6.5	9,063	6.3	9,758	6.1	10,013	6.1	10,008	6.1	10,257	6.3	9,937	6.1
Denver CMSA	9,239	7.4	9,005	6.3	9,971	6.1	10,822	5.9	11,020	6.0	11,069	6.0	11,328	6.1	11,002	5.9
Total Metro	12,975	7.3	12,992	6.2	14,371	6.1	15,592	5.9	16,081	6.0	16,281	6.0	16,386	6.1	16,216	6.0
Non-Metro	4,464	10.1	4,406	8.8	4,556	8.1	4,642	7.7	4,687	7.8	4,808	8.0	4,926	8.2	4,840	8.0
FIVE-REGION SUBSTATE GROUPS:																
Front Range	12,975	7.3	12,992	6.2	14,371	6.1	15,592	5.9	16,081	6.0	16,281	6.0	16,386	6.1	16,216	6.0
Western Slope	1,855	9.6	1,814	7.7	2,000	6.8	2,032	6.3	2,092	6.5	2,218	6.9	2,295	7.1	2,271	6.8
Eastern Plains	1,412	10.6	1,374	9.9	1,341	9.7	1,368	9.7	1,319	9.6	1,355	9.9	1,377	9.9	1,308	9.5
San Luis Valley	319	8.5	303	7.7	326	8.6	312	7.8	340	8.4	332	8.1	311	7.7	322	8.2
Eastern Mtns	878	11.5	915	10.4	889	9.2	930	9.3	936	9.4	903	9.0	943	9.5	939	9.5
POPULATION-BASED REGION:																
1 Denver	5,357	10.4	4,580	9.1	4,520	9.2	4,541	8.9	4,624	9.0	4,509	8.8	4,458	8.9	4,415	8.9
2 Jefferson	1,321	5.5	1,497	4.7	1,847	4.9	2,182	5.3	2,149	5.1	2,161	5.1	2,419	5.7	2,219	5.2
3 Boulder	769	5.8	784	4.7	908	4.8	1,064	5.0	1,007	4.7	1,061	4.9	1,071	4.9	1,065	4.7
4 Adams	879	4.7	1,081	4.9	1,272	5.1	1,304	4.8	1,425	5.3	1,540	5.7	1,486	5.5	1,429	5.3
5 Arapahoe	847	5.2	1,000	4.5	1,333	4.5	1,602	4.2	1,693	4.4	1,665	4.3	1,723	4.5	1,712	4.4
6 El Paso	1,425	6.0	1,574	5.4	1,707	5.5	1,851	5.0	2,010	5.3	2,118	5.4	2,068	5.2	2,172	5.5
7 Larimer	659	7.2	723	6.0	801	5.3	962	5.6	1,085	6.2	1,015	5.7	992	5.5	1,042	5.7
8 Pueblo	982	8.3	1,038	8.2	1,105	8.8	1,127	8.9	1,126	8.8	1,205	9.2	1,192	9.0	1,159	8.7
9 Weld	670	7.4	652	6.0	787	6.4	830	6.1	840	6.1	874	6.2	806	5.7	841	5.9
10 Northwest Reg	852	10.5	835	8.8	941	7.5	954	7.2	980	7.6	1,044	8.1	1,145	8.8	1,110	8.2
11 Western Reg	689	9.2	642	6.7	681	5.8	751	5.5	702	5.1	791	5.7	750	5.4	744	5.2
12 Eastern Reg	1,412	10.6	1,374	9.9	1,341	9.7	1,368	9.7	1,319	9.6	1,355	9.9	1,377	9.9	1,308	9.5
13 Central Reg	659	10.6	685	8.5	727	7.2	815	7.1	787	6.6	770	6.3	884	7.1	854	6.7
14 Southern Reg	918	9.4	933	8.8	957	8.8	883	7.5	1,021	8.7	981	8.4	941	8.1	986	8.6

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 107. Infant Deaths and Infant Mortality Rates by County and Region: Colorado Residents, 1970, 1975, 1980, 1985-89

	1970		1975		1980		1985		1986		1987		1988		1989	
AREA	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	829	20.0	572	14.2	500	10.1	519	9.4	476	8.6	527	9.8	506	9.5	459	8.7
Adams	90	23.8	68	16.9	52	10.9	45	8.6	64	12.5	61	12.1	49	9.8	42	8.8
Alamosa	2	9.1	2	9.4	3	13.1	1	3.9	2	8.1	2	7.3	2	7.6	4	17.1
Arapahoe	43	15.9	45	13.7	48	9.7	54	8.4	61	9.5	68	10.8	59	9.4	55	8.9
Archuleta	1	19.2	3	53.6	1	13.2	0	0.0	1	10.4	0	0.0	0	0.0	0	0.0
Baca	3	33.7	2	19.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	19.6
Bent	3	33.7	4	52.6	0	0.0	1	12.5	0	0.0	0	0.0	1	13.2	0	0.0
Boulder	34	14.4	21	10.1	22	8.1	37	11.1	22	6.7	17	5.2	27	8.4	20	6.2
Chaffee	4	26.3	3	18.6	4	15.6	1	6.4	0	0.0	0	0.0	1	6.8	5	37.9
Cheyenne	2	51.3	2	43.5	0	0.0	0	0.0	0	0.0	1	27.0	1	20.8	0	0.0
Clear Creek	1	11.4	1	6.9	0	0.0	0	0.0	1	8.1	0	0.0	1	8.9	0	0.0
Conejos	4	25.0	4	27.4	3	15.6	0	0.0	1	7.3	1	7.3	0	0.0	1	7.3
Costilla	1	18.9	1	19.6	1	16.9	0	0.0	0	0.0	0	0.0	0	0.0	1	18.5
Crowley	3	88.2	1	23.3	0	0.0	0	0.0	0	0.0	1	23.8	1	24.4	0	0.0
Custer	1	66.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Delta	1	4.7	3	12.8	7	19.5	5	15.5	4	13.8	3	11.6	5	21.2	1	4.1
Denver	179	17.8	103	13.8	100	11.9	108	12.1	82	8.9	102	11.5	90	10.7	71	8.6
Dolores	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0	2	83.3	0	0.0
Douglas	4	26.8	1	6.5	4	11.6	9	13.3	1	1.3	7	8.2	2	2.0	10	8.9
Eagle	6	33.3	2	11.2	3	10.3	2	5.2	3	8.3	3	8.1	2	5.4	2	4.8
Elbert	1	27.0	1	13.9	3	28.6	0	0.0	1	7.8	0	0.0	2	16.0	0	0.0
El Paso	139	25.5	95	16.3	63	10.9	57	8.1	75	9.9	85	11.1	74	9.7	80	10.5
Fremont	6	19.4	6	19.5	3	7.5	4	11.0	4	10.0	2	5.5	1	2.9	5	13.7
Garfield	4	15.1	4	13.7	2	4.6	6	12.8	2	4.5	5	11.8	7	16.7	2	4.5
Gilpin	1	50.0	2	76.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	48.8
Grand	2	25.0	0	0.0	1	6.6	0	0.0	3	19.1	0	0.0	3	28.8	3	27.3
Gunnison	2	15.3	2	20.8	1	6.7	0	0.0	2	13.4	2	15.9	0	0.0	1	7.9
Hinsdale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	0	0.0	1	10.6	1	11.1	1	11.8	0	0.0	1	14.1	0	0.0	0	0.0
Jackson	1	21.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	66	16.3	45	10.7	43	7.6	54	8.1	41	6.0	48	7.3	61	9.3	53	8.1
Kiowa	0	0.0	0	0.0	1	28.6	2	83.3	0	0.0	0	0.0	0	0.0	0	0.0
Kit Carson	1	7.6	2	13.7	1	7.1	0	0.0	1	9.3	0	0.0	1	8.4	2	17.9
Lake	9	40.0	0	0.0	1	4.0	0	0.0	1	10.6	3	33.7	1	12.2	0	0.0
La Plata	8	22.6	7	18.2	7	14.5	11	20.0	3	6.5	3	6.2	3	6.6	5	11.7
Larimer	23	14.2	14	8.5	25	10.6	19	6.8	24	8.6	22	8.3	19	6.9	24	9.0
Las Animas	4	15.2	6	28.4	4	17.0	1	5.4	0	0.0	2	10.5	1	5.5	1	6.5
Lincoln	1	16.9	0	0.0	1	11.9	0	0.0	0	0.0	1	14.9	1	12.3	0	0.0
Logan	10	30.8	4	12.9	4	11.7	3	10.4	4	15.2	1	3.9	4	17.2	0	0.0
Mesa	17	20.8	15	15.6	17	11.0	13	9.1	11	8.2	12	10.2	16	13.2	12	9.6
Mineral	0	0.0	1	142.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	2	20.0	2	15.3	4	12.5	3	11.7	2	10.4	1	5.4	0	0.0	1	5.7
Montezuma	5	21.7	4	13.7	3	9.6	4	11.6	5	16.1	5	15.7	6	18.7	4	12.7
Montrose	12	36.4	5	17.2	5	10.4	1	2.9	0	0.0	8	29.0	1	3.3	3	10.5
Morgan	10	28.9	4	11.7	8	17.7	7	16.3	2	5.4	4	11.5	6	16.2	3	7.8
Otero	11	28.6	5	12.8	3	7.3	3	8.6	1	2.8	3	9.0	1	3.1	3	9.3
Ouray	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	41.7	0	0.0	0	0.0
Park	0	0.0	1	20.8	1	9.3	0	0.0	1	8.2	1	10.5	0	0.0	1	11.1
Phillips	0	0.0	1	14.5	1	16.1	0	0.0	0	0.0	0	0.0	0	0.0	1	19.2
Pitkin	4	32.3	0	0.0	0	0.0	3	20.8	2	11.0	0	0.0	0	0.0	0	0.0
Prowers	3	10.4	6	26.0	2	6.8	2	6.3	2	7.3	2	8.2	6	24.7	2	9.7
Pueblo	48	21.2	27	14.0	20	9.5	26	14.1	19	10.7	10	5.6	19	10.8	15	9.2
Rio Blanco	2	24.1	1	11.1	0	0.0	2	15.7	0	0.0	0	0.0	0	0.0	0	0.0
Rio Grande	2	10.1	0	0.0	2	9.5	0	0.0	5	22.8	0	0.0	3	16.6	0	0.0
Routt	6	47.6	0	0.0	0	0.0	0	0.0	2	9.7	2	11.0	2	10.1	1	4.5
Saguache	3	40.0	1	11.4	2	20.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Juan	0	0.0	1	41.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	3	81.1	1	27.0	2	35.1	0	0.0	1	19.2	1	21.3	0	0.0	0	0.0

	1970		1975		1980		1985		1986		1987		1988		1989	
AREA	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	0	0.0	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0	0	0.0	0	0.0
Summit	4	71.4	3	31.6	1	5.6	5	20.6	2	8.5	2	10.6	1	4.9	2	10.2
Teller	0	0.0	1	11.5	1	7.0	0	0.0	0	0.0	2	10.5	1	5.6	2	10.5
Washington	2	27.0	1	13.5	0	0.0	1	14.7	0	0.0	1	13.3	0	0.0	0	0.0
Weld	31	19.0	31	17.2	19	8.6	27	11.9	17	7.9	30	14.0	22	10.4	18	8.3
Yuma	4	34.2	4	26.8	0	0.0	0	0.0	0	0.0	1	8.0	1	9.0	0	0.0
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	26	26.9	14	13.9	13	11.3	12	11.7	6	6.2	7	7.9	11	12.9	4	4.7
2	54	16.6	45	13.1	44	9.6	46	9.1	41	8.3	52	10.8	41	8.4	42	8.7
3	418	18.0	286	13.4	269	10.0	307	9.8	272	8.6	303	9.8	289	9.4	253	8.4
4	139	25.1	97	16.2	65	10.7	57	7.7	76	9.6	88	11.1	75	9.4	83	10.5
5	5	18.7	5	15.7	5	13.8	0	0.0	2	5.7	2	5.4	5	13.4	2	6.0
6	23	25.2	18	20.5	6	6.2	8	8.8	3	3.7	6	7.6	9	11.5	6	8.6
7	48	21.2	27	14.0	20	9.5	26	14.1	19	10.7	10	5.6	19	10.8	15	9.2
8	12	16.7	9	13.3	11	13.6	1	1.3	8	10.9	3	3.9	5	7.2	6	8.5
9	14	20.4	15	19.2	11	11.8	15	14.3	10	11.2	8	8.5	11	12.2	9	10.6
10	18	24.2	11	15.9	15	14.0	6	6.6	7	8.6	15	20.3	6	7.9	5	6.9
11	25	19.8	22	14.9	23	9.4	24	10.6	15	7.2	18	9.6	23	12.3	15	7.7
12	23	37.6	5	7.3	5	4.9	10	8.6	12	10.3	7	6.7	8	7.6	8	7.1
13	20	28.5	9	14.5	8	8.6	5	7.7	5	7.2	5	8.2	3	5.0	10	16.3
14	4	11.3	7	23.0	5	15.4	2	7.4	0	0.0	3	11.5	1	3.8	1	4.7
METRO/NON-METRO:																
Denver PMSA	382	18.4	262	13.7	247	10.2	270	9.7	249	8.8	286	10.4	261	9.6	231	8.6
Denver CMSA	416	18.0	283	13.3	269	10.0	307	9.8	271	8.6	303	9.8	288	9.4	251	8.3
Total Metro	657	19.3	450	13.9	396	10.1	436	9.6	406	8.9	450	10.0	422	9.4	388	8.8
Non-Metro	172	23.2	120	15.5	104	10.0	83	8.4	70	7.5	77	8.8	84	9.8	71	8.3
FIVE-REGION SUBSTATE GROUPS:																
Front Range	657	19.3	450	13.9	396	10.1	436	9.6	406	8.9	450	10.0	422	9.4	388	8.8
Western Slope	80	24.2	53	14.6	54	9.9	55	10.2	44	8.9	48	10.4	48	10.5	37	7.9
Eastern Plains	54	25.2	37	16.8	24	9.7	20	8.8	11	5.2	15	7.4	25	12.5	12	6.4
San Luis Valley	12	16.7	9	13.3	11	13.6	1	1.3	8	10.9	3	3.9	5	7.2	6	8.5
Eastern Mtns	26	20.8	21	17.1	15	8.9	7	5.0	7	4.8	11	8.2	6	4.6	16	12.6
POPULATION-BASED REGION:																
1 Denver	179	17.8	103	13.8	100	11.9	108	12.1	82	8.9	102	11.5	90	10.7	71	8.6
2 Jefferson	66	16.3	45	10.7	43	7.6	54	8.1	41	6.0	48	7.3	61	9.3	53	8.1
3 Boulder	34	14.4	21	10.1	22	8.1	37	11.1	22	6.7	17	5.2	27	8.4	20	6.2
4 Adams	90	23.8	68	16.9	52	10.9	45	8.6	64	12.5	61	12.1	49	9.8	42	8.8
5 Arapahoe	43	15.9	45	13.7	48	9.7	54	8.4	61	9.5	68	10.8	59	9.4	55	8.9
6 El Paso	139	25.5	95	16.3	63	10.9	57	8.1	75	9.9	85	11.1	74	9.7	80	10.5
7 Larimer	23	14.2	14	8.5	25	10.6	19	6.8	24	8.6	22	8.3	19	6.9	24	9.0
8 Pueblo	48	21.2	27	14.0	20	9.5	26	14.1	19	10.7	10	5.6	19	10.8	15	9.2
9 Weld	31	19.0	31	17.2	19	8.6	27	11.9	17	7.9	30	14.0	22	10.4	18	8.3
10 Northwest Reg	25	19.8	22	14.9	23	9.4	24	10.6	15	7.2	18	9.6	23	12.3	15	7.7
11 Western Reg	41	30.3	16	11.6	20	9.6	16	7.7	19	9.6	22	12.4	14	7.8	13	7.0
12 Eastern Reg	54	25.2	37	16.8	24	9.7	20	8.8	11	5.2	15	7.4	25	12.5	12	6.4
13 Central Reg	26	24.8	15	13.9	14	8.2	14	7.7	8	4.1	15	7.8	7	3.5	25	11.5
14 Southern Reg	30	17.1	31	17.6	27	13.1	18	8.6	18	9.5	14	7.1	17	9.2	16	9.0

Infant death is death in the first year of life. Rates are infant deaths per 1,000 live births. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 108. Deaths by Age by County and Region: Colorado Residents, 1989

PLACE	TOTAL DEATHS	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado	21,056	459	77	57	55	181	219	696	918	1,142	2,394	4,476	5,629	4,753
Adams	1,429	42	8	3	3	11	15	52	80	94	217	334	316	254
Alamosa	103	4	0	1	0	7	0	2	2	8	11	19	31	18
Arapahoe	1,712	55	2	6	13	12	22	69	92	114	227	365	403	332
Archuleta	35	0	0	0	0	2	2	0	0	1	5	16	6	3
Baca	52	1	0	0	0	0	0	1	0	1	4	14	18	13
Bent	48	0	0	0	0	0	1	0	1	0	6	7	17	16
Boulder	1,065	20	3	3	4	13	14	34	40	50	104	212	287	281
Chaffee	121	5	0	0	0	1	1	1	6	5	12	23	37	30
Cheyenne	35	0	0	0	0	1	0	1	0	0	3	12	9	9
Clear Creek	35	0	1	0	0	0	1	1	6	4	5	3	7	7
Conejos	63	1	1	1	1	0	1	1	3	3	11	11	20	9
Costilla	21	1	0	0	0	0	1	0	3	0	2	4	8	2
Crowley	48	0	0	0	0	0	2	0	2	3	4	11	13	13
Custer	15	0	0	0	0	0	0	1	0	2	2	4	4	2
Delta	265	1	1	1	1	2	1	2	3	13	21	55	83	81
Denver	4,415	71	15	4	5	23	35	195	242	230	460	890	1,219	1,026
Dolores	17	0	0	1	0	0	0	0	1	0	1	5	6	3
Douglas	162	10	2	1	0	5	1	8	17	12	16	31	26	33
Eagle	40	2	0	1	0	0	2	1	4	5	3	6	9	7
Elbert	56	0	0	0	0	2	0	1	3	0	8	18	10	14
El Paso	2,172	80	16	15	3	18	33	77	94	138	284	462	494	458
Fremont	399	5	3	1	1	2	3	6	8	14	41	87	133	95
Garfield	206	2	0	0	1	2	1	5	7	4	15	43	71	55
Gilpin	10	2	1	0	0	0	0	0	2	1	1	1	1	1
Grand	40	3	0	0	0	1	0	4	4	4	5	6	6	7
Gunnison	36	1	0	0	0	1	0	4	3	0	4	11	7	5
Hinsdale	4	0	0	0	0	0	0	1	0	0	1	2	0	0
Huerfano	86	0	0	0	0	0	0	0	0	6	6	27	24	23
Jackson	9	0	0	0	0	0	0	0	1	0	2	1	3	2
Jefferson	2,219	53	8	6	7	21	22	69	95	144	286	466	578	464
Kiowa	21	0	0	0	0	0	0	1	0	0	3	3	9	5
Kit Carson	74	2	0	0	0	2	0	1	0	1	8	14	25	21
Lake	31	0	0	0	0	0	2	2	1	1	6	10	7	2
La Plata	198	5	1	1	0	3	1	7	4	10	14	48	65	39
Larimer	1,042	24	2	2	1	7	16	32	38	49	113	191	304	263
Las Animas	161	1	0	0	0	2	0	3	3	6	17	33	54	42
Lincoln	47	0	0	0	0	0	1	1	0	0	4	16	11	14
Logan	162	0	0	1	0	0	2	3	3	3	14	38	50	48
Mesa	819	12	1	2	1	11	7	14	26	38	82	176	241	208
Mineral	4	0	0	0	0	0	0	0	1	0	0	1	2	0
Moffat	55	1	0	0	1	1	1	1	2	4	8	11	12	13
Montezuma	163	4	2	0	0	1	1	7	8	4	21	35	48	32
Montrose	238	3	0	0	2	3	1	5	8	10	25	51	74	56
Morgan	202	3	0	1	0	2	2	3	4	6	19	33	66	63
Otero	218	3	1	0	0	2	2	6	6	4	20	47	64	63
Ouray	10	0	0	0	0	0	0	1	2	0	0	3	4	0
Park	28	1	1	0	1	0	0	0	1	3	6	10	1	4
Phillips	51	1	0	1	1	0	0	1	1	2	1	12	12	19
Pitkin	21	0	2	0	0	0	1	4	1	0	5	6	1	1
Prowers	115	2	0	1	0	2	1	3	3	6	5	23	41	28
Pueblo	1,159	15	3	2	3	8	10	28	38	66	116	294	335	241
Rio Blanco	30	0	0	0	1	2	0	1	3	0	4	6	5	8
Rio Grande	98	0	1	0	0	1	0	3	2	5	13	20	28	25
Routt	53	1	0	0	0	3	1	1	3	7	1	14	12	10
Saguache	33	0	0	1	1	0	1	3	3	1	3	4	10	6
San Juan	4	0	0	0	1	0	0	1	1	0	1	0	0	0
San Miguel	8	0	0	0	0	0	1	1	0	1	0	0	3	2

PLACE	TOTAL DEATHS	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Sedgwick	39	0	0	0	0	0	0	1	0	2	2	8	15	11
Summit	20	2	0	0	0	0	0	2	4	4	2	4	2	0
Teller	53	2	1	1	0	0	0	1	3	5	12	4	15	9
Washington	42	0	0	0	1	0	0	3	1	1	2	11	8	15
Weld	841	18	1	0	2	7	10	18	28	43	93	182	234	205
Yuma	98	0	0	0	0	0	0	2	1	4	7	22	25	37
PLANNING AND MANAGEMENT REGIONS:														
PMR 1	594	4	0	3	2	2	4	13	10	18	45	124	176	193
2	1,883	42	3	2	3	14	26	50	66	92	206	373	538	468
3	11,047	253	40	23	32	85	110	428	574	649	1,316	2,302	2,837	2,398
4	2,253	83	18	16	4	18	33	78	98	146	302	476	510	471
5	212	2	0	0	0	5	1	4	3	1	23	60	55	58
6	502	6	1	1	0	4	6	11	12	14	42	105	162	138
7	1,159	15	3	2	3	8	10	28	38	66	116	294	335	241
8	322	6	2	3	2	8	3	9	14	17	40	59	99	60
9	417	9	3	2	1	6	4	15	14	15	42	104	125	77
10	561	5	1	1	3	6	3	14	16	24	51	122	171	144
11	1,110	15	1	2	4	16	9	21	38	46	109	236	329	284
12	183	8	2	1	0	4	4	12	17	20	18	37	33	27
13	566	10	3	1	1	3	6	10	15	22	61	124	181	129
14	247	1	0	0	0	2	0	3	3	12	23	60	78	65
METRO/NON-METRO:														
Denver PMSA	9,937	231	35	20	28	72	95	393	526	594	1,206	2,086	2,542	2,109
Denver CMSA	11,002	251	38	23	32	85	109	427	566	644	1,310	2,298	2,829	2,390
Total Metro	16,216	388	60	42	41	125	178	582	764	940	1,916	3,427	4,196	3,557
Non-Metro	4,840	71	17	15	14	56	41	114	154	202	478	1,049	1,433	1,196
FIVE-REGION SUBSTATE GROUPS:														
Front Range	16,216	388	60	42	41	125	178	582	764	940	1,916	3,427	4,196	3,557
Western Slope	2,271	37	7	6	8	32	20	62	85	105	220	499	658	532
Eastern Plains	1,308	12	1	4	2	11	11	28	25	33	110	289	393	389
San Luis Valley	322	6	2	3	2	8	3	9	14	17	40	59	99	60
Eastern Mtns	939	16	7	2	2	5	7	15	30	47	108	202	283	215
POPULATION-BASED REGIONS:														
1 Denver	4,415	71	15	4	5	23	35	195	242	230	460	890	1,219	1,026
2 Jefferson	2,219	53	8	6	7	21	22	69	95	144	286	466	578	464
3 Boulder	1,065	20	3	3	4	13	14	34	40	50	104	212	287	281
4 Adams	1,429	42	8	3	3	11	15	52	80	94	217	334	316	254
5 Arapahoe	1,712	55	2	6	13	12	22	69	92	114	227	365	403	332
6 El Paso	2,172	80	16	15	3	18	33	77	94	138	184	462	494	458
7 Larimer	1,042	24	2	2	1	7	16	32	38	49	113	191	304	263
8 Pueblo	1,159	15	3	2	3	8	10	28	38	66	116	294	335	241
9 Weld	841	18	1	0	2	7	10	18	28	43	93	182	234	205
10 Northwest Reg	1,110	15	1	2	4	16	9	21	38	46	109	236	329	284
11 Western Reg	744	13	3	2	3	10	7	26	33	44	69	159	204	171
12 Eastern Reg	1,308	12	1	4	2	11	11	28	25	33	110	289	393	389
13 Central Reg	854	25	9	3	2	8	8	20	44	47	101	173	231	183
14 Southern Reg	986	16	5	5	3	16	7	27	31	44	105	223	302	202

See inside back cover for definitions of regions.

Table 109. Deaths by Selected City of Residence: Colorado Residents, 1989

PLACE	COUNTY	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Colorado		21,056	459	77	57	55	181	219	696	918	1,142	2,394	4,476	5,629	4,753
Akron	Washington	17	0	0	0	0	0	0	0	0	1	1	6	3	6
Alamosa	Alamosa	76	2	0	1	0	5	0	1	2	6	6	14	24	15
Arvada	Total	422	8	3	2	2	5	5	8	16	35	62	100	106	70
	Adams	11	0	0	0	0	0	0	0	1	0	1	3	3	3
	Jefferson	411	8	3	2	2	5	5	8	15	35	61	97	103	67
Aurora	Total	900	35	4	3	6	7	11	43	60	59	130	204	181	157
	Adams	164	9	3	0	2	2	3	6	9	10	27	43	28	22
	Arapahoe	736	26	1	3	4	5	8	37	51	49	103	161	153	135
Berthoud	Larimer	27	0	0	0	0	1	1	0	2	1	0	4	9	9
Boulder	Boulder	436	7	1	1	2	3	7	13	20	14	39	75	117	137
Brighton	Total	112	2	0	0	0	0	0	3	4	11	9	24	29	30
	Adams	111	2	0	0	0	0	0	3	4	11	9	24	29	29
	Weld	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Broomfield	Total	85	2	1	0	1	2	1	1	2	15	18	17	17	8
	Adams	16	0	0	0	0	1	0	0	2	4	3	2	4	0
	Boulder	57	1	1	0	1	1	1	0	0	7	12	12	13	8
	Jefferson	12	1	0	0	0	0	0	1	0	4	3	3	0	0
Brush	Morgan	69	1	0	0	0	0	0	0	1	1	6	9	22	29
Burlington	Kit Carson	35	2	0	0	0	0	0	0	0	1	5	7	10	10
Canon City	Fremont	241	4	1	1	0	0	1	2	2	8	25	45	76	76
Castle Rock	Douglas	45	3	0	1	0	0	0	1	3	1	3	8	12	13
Cedaredge	Delta	24	0	0	0	0	0	0	0	0	0	3	7	8	6
Cheyenne Wells	Cheyenne	19	0	0	0	0	0	0	0	0	0	2	7	5	5
Clifton	Mesa	41	0	0	0	0	2	1	0	1	2	3	10	14	8
Colorado Springs	El Paso	1,865	64	10	10	3	17	20	60	76	115	231	402	436	421
Commerce City	Adams	150	3	1	0	0	0	2	6	11	7	21	39	40	20
Cortez	Montezuma	79	2	1	0	0	0	1	1	4	1	10	13	28	18
Craig	Moffat	46	1	0	0	0	1	1	1	0	4	7	9	10	12
Dacono	Weld	19	0	0	0	0	0	0	1	1	1	7	2	5	2
Delta	Delta	83	0	0	1	0	1	0	0	0	2	6	13	28	32
Denver	Denver	4,415	71	15	4	5	23	35	195	242	230	460	890	1,219	1,026
Durango	La Plata	96	3	1	0	0	1	0	2	1	3	3	21	34	27
Edgewater	Jefferson	37	0	0	0	1	0	0	2	1	4		12	11	2
Englewood/ Cherry Hills	Arapahoe	380	11	0	1	4	3	6	11	13	17	3.	84	108	85
Estes Park	Larimer	33	1	0	0	0	1	1	0	0	1	3	8	11	7
Evans	Weld	33	3	0	0	0	0	1	1	0	3	5	8	10	2
Evergreen	Jefferson	17	0	1	0	0	0	0	1	1	2	1	4	3	4
Federal Heights	Adams	31	1	0	1	1	0	1	1	1	0	6	10	6	3
Florence	Fremont	44	1	1	0	0	0	0	0	1	1	4	10	14	12
Fort Collins	Larimer	486	7	1	2	0	1	10	21	19	26	52	84	135	128
Fort Lupton	Weld	28	1	0	0	0	0	1	0	3	0	6	6	6	5
Fort Morgan	Morgan	95	0	0	0	0	1	1	1	2	3	8	19	30	30
Fountain	El Paso	33	0	1	0	0	0	1	6	4	4	5	6	5	1
Fowler	Otero	23	0	0	0	0	0	0	0	0	1	1	7	9	5
Fruita	Mesa	44	0	0	0	0	1	2	2	0	1	2	8	19	9
Glenwood Springs	Garfield	57	1	0	0	0	0	0	2	1	0	4	8	23	18
Golden	Jefferson	153	3	2	1	1	0	2	7	7	9	26	35	35	25
Grand Junction	Mesa	422	6	1	0	0	4	3	5	13	14	39	85	122	130
Greeley	Weld	444	11	1	0	1	0	5	6	11	15	47	92	118	137
Gunnison	Gunnison	15	1	0	0	0	0	0	1	1	0	2	3	4	3
Haxtun	Phillips	17	0	0	0	0	0	0	1	0	1	0	5	5	5
Holyoke	Phillips	26	1	0	1	0	0	0	0	1	0	1	4	6	12
Julesburg	Sedgwick	22	0	0	0	0	0	0	0	0	1	2	5	7	7
La Junta	Otero	94	0	1	0	0	0	0	1	2	2	10	16	25	37

PLACE	COUNTY	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Lafayette	Boulder	62	1	0	0	0	0	0	3	3	5	7	14	19	10
Lakewood	Jefferson	923	15	2	2	2	11	7	27	41	46	114	189	262	205
Lamar	Prowers	77	0	0	0	0	1	1	3	2	6	5	16	27	16
Las Animas	Bent	39	0	0	0	0	0	1	0	1	0	5	6	13	13
Leadville	Lake	29	0	0	0	0	0	2	1	0	1	6	10	7	2
Limon	Lincoln	24	0	0	0	0	0	0	1	0	0	3	9	3	8
Littleton	Total	307	5	0	0	1	3	2	8	10	25	41	63	83	66
	Arapahoe	284	4	0	0	1	3	2	6	7	22	40	57	80	62
	Douglas	1	0	0	0	0	0	0	0	0	1	0	0	0	0
	Jefferson	22	1	0	0	0	0	0	2	3	2	1	6	3	4
Longmont	Boulder	311	4	0	0	0	6	4	11	6	15	25	74	84	82
Louisville	Boulder	51	3	0	1	1	2	0	4	1	1	2	10	12	14
Loveland	Larimer	312	8	0	0	0	2	4	7	11	12	35	55	102	76
Manitou Springs	El Paso	19	0	0	0	0	0	0	0	0	0	2	1	9	7
Monte Vista	Rio Grande	49	0	1	0	0	1	0	2	1	1	8	6	17	12
Montrose	Montrose	111	1	0	0	1	0	0	0	4	7	10	20	36	32
Morrison	Jefferson	36	1	0	0	0	0	0	1	0	2	3	4	11	14
Northglenn	Adams	159	4	1	1	0	2	2	8	8	11	29	36	25	32
Olathe	Montrose	24	1	0	0	0	0	0	1	0	0	0	4	9	9
Ordway	Crowley	28	0	0	0	0	0	1	0	0	1	2	8	6	10
Palisade	Mesa	24	0	0	0	0	0	0	0	0	2	2	2	8	10
Paonia	Delta	21	0	0	0	0	0	0	0	0	1	1	3	10	6
Pueblo	Pueblo	1,014	13	3	2	3	7	9	22	32	54	97	246	308	218
Rifle	Garfield	46	1	0	0	0	1	0	0	1	1	1	8	20	13
Rocky Ford	Otero	42	2	0	0	0	1	1	3	2	0	5	10	10	8
Salida	Chaffee	70	3	0	0	0	0	0	1	2	0	3	13	24	24
Springfield	Baca	22	0	0	0	0	0	0	0	0	1	1	3	8	9
Sterling	Logan	114	0	0	0	0	0	2	3	2	2	5	28	34	38
Thornton	Adams	244	9	1	0	0	1	2	7	18	14	30	39	62	61
Trinidad	Las Animas	110	1	0	0	0	1	0	3	2	3	12	18	37	33
Walsenberg	Huerfano	62	0	0	0	0	0	0	0	0	4	3	20	19	16
Westminster	Total	228	9	1	1	0	1	3	12	10	14	31	53	57	36
	Adams	201	5	1	1	0	1	3	8	7	13	26	49	53	34
	Jefferson	27	4	0	0	0	0	0	4	3	1	5	4	4	2
Wheat Ridge	Jefferson	292	4	0	0	0	1	7	4	6	8	25	54	87	96
Windsor	Weld	53	0	0	0	0	0	1	1	3	2	4	14	19	9
Wray	Yuma	38	0	0	0	0	0	0	0	1	0	2	9	9	17
Yuma	Yuma	29	0	0	0	0	0	0	0	0	1	3	5	9	11

Counts are presented as reported on certificates of death.

Table 110. Deaths and Death Rates for Selected Age Groups by Sex by County and Region: Colorado Residents, 1989

	MALE										FEMALE									
	1-14		15-24		25-44		45-64		65+		1-14		15-24		25-44		45-64		65+	
PLACE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Colorado	115	0.3	278	1.1	1,095	1.9	2,209	7.7	7,067	52.6	74	0.2	122	0.5	519	0.9	1,327	4.4	7,791	40.6
Adams	9	0.3	18	1.1	89	1.9	187	7.6	435	46.7	5	0.2	8	0.5	43	0.9	124	4.8	469	38.6
Alamosa	0	0.0	5	5.2	3	1.5	12	12.7	30	60.4	1	0.6	2	2.1	1	0.5	7	6.7	38	52.7
Arapahoe	11	0.3	29	1.4	103	1.3	207	5.7	489	37.7	10	0.2	5	0.3	58	0.8	134	3.6	611	34.9
Archuleta	0	0.0	4	10.4	0	0.0	6	12.1	13	53.3	0	0.0	0	0.0	0	0.0	0	0.0	12	47.8
Baca	0	0.0	0	0.0	1	1.5	3	7.2	23	63.2	0	0.0	0	0.0	0	0.0	2	4.4	22	45.6
Bent	0	0.0	1	2.8	1	1.4	4	6.5	23	57.5	0	0.0	0	0.0	0	0.0	2	3.8	17	39.9
Boulder	5	0.2	19	0.9	47	1.1	99	5.3	346	50.6	5	0.2	8	0.4	27	0.7	55	2.9	434	42.5
Chaffee	0	0.0	1	0.8	2	1.0	14	12.6	52	64.1	0	0.0	1	1.1	5	2.9	3	2.7	38	33.3
Cheyenne	0	0.0	0	0.0	1	2.2	2	11.2	21	154.0	0	0.0	1	9.3	0	0.0	1	4.4	9	53.3
Clear Creek	1	1.1	1	3.3	5	3.2	7	9.7	11	53.4	0	0.0	0	0.0	2	1.5	2	3.2	6	21.4
Conejos	2	1.9	1	1.8	2	1.7	12	18.2	19	45.5	1	1.0	0	0.0	2	1.7	2	2.8	21	40.1
Costilla	0	0.0	1	5.5	3	5.7	1	3.7	10	45.7	0	0.0	0	0.0	0	0.0	1	3.3	4	14.7
Crowley	0	0.0	2	5.7	1	0.8	5	15.2	21	79.2	0	0.0	0	0.0	1	1.7	2	5.7	16	45.8
Custer	0	0.0	0	0.0	0	0.0	3	19.4	4	40.4	0	0.0	0	0.0	1	2.8	1	5.1	6	42.9
Delta	2	0.9	3	1.8	2	0.7	15	7.9	111	57.1	1	0.5	0	0.0	3	1.0	19	9.5	108	41.2
Denver	14	0.3	42	1.3	326	3.6	430	10.5	1,424	60.6	10	0.2	16	0.5	111	1.2	260	5.8	1,711	44.1
Dolores	1	5.7	0	0.0	1	4.4	0	0.0	9	102.0	0	0.0	0	0.0	0	0.0	1	6.2	5	47.6
Douglas	2	0.3	3	0.7	15	1.5	20	5.4	46	46.2	1	0.2	3	0.7	10	1.1	8	2.2	44	34.9
Eagle	1	0.4	1	0.5	1	0.2	6	5.2	16	67.8	0	0.0	1	0.6	4	0.9	2	2.0	6	24.7
Elbert	0	0.0	1	1.2	3	1.8	7	8.0	17	54.7	0	0.0	1	1.4	1	0.6	1	1.3	25	65.3
El Paso	19	0.4	33	0.9	108	1.7	255	8.6	656	51.4	15	0.3	18	0.6	63	1.0	167	5.1	758	41.1
Fremont	3	1.1	3	1.2	8	1.6	36	14.4	158	65.0	2	0.8	2	1.0	6	1.5	19	7.1	157	44.1
Garfield	0	0.0	1	0.6	7	1.3	13	5.7	87	77.7	1	0.3	2	1.2	5	1.0	6	2.8	82	49.2
Gilpin	1	3.7	0	0.0	2	3.7	2	7.2	1	11.4	0	0.0	0	0.0	0	0.0	0	0.0	2	18.0
Grand	0	0.0	1	2.1	6	2.8	5	6.6	14	61.1	0	0.0	0	0.0	2	1.1	4	5.7	5	19.5
Gunnison	0	0.0	1	0.5	5	2.3	3	3.7	13	48.1	0	0.0	0	0.0	2	1.1	1	1.4	10	30.6
Hinsdale	0	0.0	0	0.0	1	15.2	0	0.0	1	32.3	0	0.0	0	0.0	0	0.0	1	45.5	1	43.5
Huerfano	0	0.0	0	0.0	0	0.0	8	14.1	42	84.2	0	0.0	0	0.0	0	0.0	4	6.0	32	44.0
Jackson	0	0.0	0	0.0	1	4.8	1	4.6	4	63.5	0	0.0	0	0.0	0	0.0	1	5.6	2	27.0
Jefferson	14	0.3	27	0.9	111	1.4	261	6.0	648	42.0	7	0.2	16	0.6	53	0.7	169	3.8	860	41.4
Kiowa	0	0.0	0	0.0	1	4.3	2	10.5	9	67.2	0	0.0	0	0.0	0	0.0	1	4.8	8	48.8
Kit Carson	0	0.0	2	4.6	1	0.9	7	9.7	34	69.5	0	0.0	0	0.0	0	0.0	2	2.6	26	41.5
Lake	0	0.0	2	6.4	2	1.7	5	8.1	11	54.2	0	0.0	0	0.0	1	0.9	2	3.6	8	33.6
La Plata	1	0.3	3	1.1	7	1.2	15	6.1	87	67.3	1	0.3	1	0.4	4	0.7	9	3.7	65	37.2
Larimer	3	0.2	16	0.9	46	1.5	103	7.4	365	51.6	2	0.1	7	0.4	24	0.8	59	4.1	393	37.9
Las Animas	0	0.0	2	2.6	5	2.3	19	16.6	65	59.4	0	0.0	0	0.0	1	0.5	4	3.0	64	40.0
Lincoln	0	0.0	0	0.0	1	1.5	3	6.8	21	63.6	0	0.0	1	4.7	0	0.0	1	2.0	20	42.3
Logan	0	0.0	1	0.9	5	1.6	11	6.4	61	54.3	1	0.5	1	0.9	1	0.3	6	3.1	75	47.4
Mesa	2	0.2	9	1.5	24	1.6	74	9.5	299	56.5	2	0.2	9	1.6	16	1.1	46	5.7	326	43.0
Mineral	0	0.0	0	0.0	1	10.6	0	0.0	2	51.3	0	0.0	0	0.0	0	0.0	0	0.0	1	17.2
Moffat	1	0.7	2	5.3	1	0.6	3	2.5	16	40.9	0	0.0	0	0.0	2	1.1	9	8.1	20	41.1
Montezuma	2	1.0	1	1.0	12	5.3	20	12.5	62	65.7	0	0.0	1	1.0	3	1.3	5	3.0	53	40.9
Montrose	2	0.7	2	1.2	8	1.9	26	10.3	92	55.7	0	0.0	2	1.4	5	1.2	9	3.4	89	40.6
Morgan	1	0.4	3	2.3	6	1.7	17	8.5	83	62.5	0	0.0	1	0.8	1	0.3	8	3.7	79	42.9
Otero	1	0.4	3	2.2	11	3.7	13	6.7	88	64.8	0	0.0	1	0.8	1	0.3	11	5.3	86	42.1
Ouray	0	0.0	0	0.0	2	6.4	0	0.0	1	8.6	0	0.0	0	0.0	1	3.0	0	0.0	6	41.7
Park	0	0.0	0	0.0	0	0.0	7	11.3	8	43.0	2	3.0	0	0.0	1	1.0	2	3.6	7	33.7
Phillips	2	4.3	0	0.0	1	1.6	2	4.9	21	57.7	0	0.0	0	0.0	1	1.7	1	2.3	22	42.0
Pitkin	2	1.9	1	0.9	4	1.0	3	2.6	6	25.9	0	0.0	0	0.0	1	0.3	2	2.1	2	8.0
Prowers	1	0.5	3	3.9	1	0.5	6	5.4	44	67.5	0	0.0	0	0.0	5	2.5	5	4.1	48	49.2
Pueblo	4	0.3	12	1.2	43	2.1	113	9.5	447	59.2	4	0.3	6	0.6	23	1.1	69	5.3	423	39.7
Rio Blanco	0	0.0	2	8.4	2	2.3	2	3.4	6	29.6	1	1.5	0	0.0	2	2.5	2	3.5	13	46.3
Rio Grande	0	0.0	0	0.0	5	3.0	14	14.7	42	61.1	1	0.8	1	1.6	0	0.0	4	3.8	31	35.6
Routt	0	0.0	3	3.2	2	0.5	6	5.0	22	74.6	0	0.0	1	1.2	2	0.6	2	2.0	14	35.6
Saguache	2	3.9	1	4.5	5	8.8	2	6.0	8	36.5	0	0.0	0	0.0	1	1.9	2	5.7	12	39.9
San Juan	1	9.1	0	0.0	2	13.9	1	14.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	0	0.0	1	2.5	1	0.9	1	3.5	3	42.9	0	0.0	0	0.0	0	0.0	0	0.0	2	22.5

	MALE										FEMALE									
	1-14		15-24		25-44		45-64		65+		1-14		15-24		25-44		45-64		65+	
PLACE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Sedgwick	0	0.0	0	0.0	1	2.6	2	6.9	22	84.3	0	0.0	0	0.0	0	[illegible]	2	6.3	12	35.7
Summit	0	0.0	0	0.0	2	0.5	2	2.6	5	42.4	0	0.0	0	0.0	4	1.3	4	6.4	1	9.5
Teller	2	1.6	0	0.0	1	0.5	9	8.4	15	37.2	0	0.0	0	0.0	3	1.5	8	7.9	13	27.0
Washington	0	0.0	0	0.0	3	4.3	2	4.1	19	49.6	1	2.0	0	0.0	1	1.5	1	1.9	15	32.6
Weld	3	0.2	11	0.9	32	1.3	89	7.7	315	55.8	0	0.0	6	0.4	14	0.6	47	3.9	306	39.0
Yuma	0	0.0	0	0.0	2	1.5	6	6.7	44	71.0	0	0.0	0	0.0	1	0.7	5	5.2	40	47.8
PLANNING AND MANAGEMENT REGIONS:																				
PMR 1	3	0.4	4	1.1	18	1.9	40	6.9	250	61.3	2	0.3	2	0.6	5	0.5	23	3.6	243	43.5
2	6	0.2	27	0.9	78	1.4	192	7.5	680	53.5	2	0.1	13	0.4	38	0.7	106	4.0	699	38.3
3	57	0.3	139	1.1	698	2.0	1,213	7.2	3,400	49.0	38	0.2	56	0.5	304	0.9	752	4.3	4,137	40.9
4	21	0.4	33	0.8	109	1.6	271	8.7	679	50.9	17	0.3	18	0.6	67	1.0	177	5.2	778	40.7
5	0	0.0	3	1.9	6	1.5	19	8.6	93	73.5	0	0.0	3	2.0	1	0.3	5	2.2	80	48.4
6	2	0.3	9	2.8	16	2.1	33	7.2	208	65.5	0	0.0	1	0.3	7	1.0	23	4.7	197	44.4
7	4	0.3	12	1.2	43	2.1	113	9.5	447	59.2	4	0.3	6	0.6	23	1.1	69	5.3	423	39.7
8	4	0.8	8	3.1	19	3.1	41	12.7	111	53.4	3	0.6	3	1.2	4	0.7	16	4.6	107	39.0
9	5	0.8	8	1.9	22	2.4	42	8.8	171	66.3	1	0.2	2	0.5	7	0.8	15	3.1	135	39.6
10	4	0.6	7	1.2	19	1.7	45	7.9	221	54.1	1	0.2	2	0.4	11	1.1	30	5.1	216	40.1
11	3	0.2	14	1.7	34	1.5	92	7.8	408	58.3	4	0.3	11	1.4	25	1.1	63	5.3	441	44.1
12	3	0.4	6	1.0	16	0.8	23	4.4	67	57.1	0	0.0	2	0.4	13	0.8	15	3.3	30	22.7
13	3	0.6	6	1.5	12	1.4	58	13.2	225	63.5	2	0.4	3	0.9	13	1.8	25	5.5	209	41.1
14	0	0.0	2	1.7	5	1.5	27	15.8	107	67.1	0	0.0	0	0.0	1	0.3	8	4.0	96	41.2
METRO/NON-METRO:																				
Denver PMSA	50	0.3	119	1.2	644	2.1	1,105	7.4	3,042	48.9	33	0.2	48	0.5	275	0.9	695	4.5	3,695	40.8
Denver CMSA	55	0.3	138	1.1	691	2.0	1,204	7.2	3,388	49.1	38	0.2	56	0.5	302	0.9	750	4.3	4,129	41.0
Total Metro	84	0.3	210	1.0	920	1.9	1,764	7.5	5,171	50.7	59	0.2	93	0.5	426	0.9	1,092	4.4	6,009	40.6
Non-Metro	31	0.5	68	1.6	175	1.6	445	8.5	1,896	60.3	15	0.2	29	0.8	93	0.9	235	4.4	1,782	41.4
FIVE-REGION SUBSTATE GROUPS:																				
Front Range	84	0.3	210	1.0	920	1.9	1,764	7.5	5,171	50.7	59	0.2	93	0.5	426	0.9	1,092	4.4	6,009	40.6
West Slope	15	0.4	35	1.4	91	1.4	202	7.3	867	58.4	6	0.2	17	0.8	56	1.0	123	4.5	822	40.8
East Plains	5	0.3	16	1.9	40	1.9	92	7.3	551	64.7	2	0.1	6	0.8	13	0.6	51	3.8	520	44.6
San Luis Val	4	0.8	8	3.1	19	3.1	41	12.7	111	53.4	3	0.6	3	1.2	4	0.7	16	4.6	107	39.0
Eastern Mtns	7	0.7	9	1.3	25	1.5	110	12.5	367	61.0	4	0.4	3	0.5	20	1.3	45	5.0	333	39.2
POPULATION-BASED REGIONS:																				
1 Denver	14	0.3	42	1.3	326	3.6	430	10.5	1,424	60.6	10	0.2	16	0.5	111	1.2	260	5.8	1,711	44.1
2 Jefferson	14	0.3	27	0.9	111	1.4	261	6.0	648	42.0	7	0.2	16	0.6	53	0.7	169	3.8	860	41.4
3 Boulder	5	0.2	19	0.9	47	1.1	99	5.3	346	50.6	5	0.2	8	0.4	27	0.7	55	2.9	434	42.5
4 Adams	9	0.3	18	1.1	89	1.9	187	7.6	435	46.7	5	0.2	8	0.5	43	0.9	124	4.8	469	38.6
5 Arapahoe	11	0.3	29	1.4	103	1.3	207	5.7	489	37.7	10	0.2	5	0.3	58	0.8	134	3.6	611	34.9
6 El Paso	19	0.4	33	0.9	108	1.7	255	8.6	656	51.4	15	0.3	18	0.6	63	1.0	167	5.1	758	41.1
7 Larimer	3	0.2	16	0.9	46	1.5	103	7.4	365	51.6	2	0.1	7	0.4	24	0.8	59	4.1	393	37.9
8 Pueblo	4	0.3	12	1.2	43	2.1	113	9.5	447	59.2	4	0.3	6	0.6	23	1.1	69	5.3	423	39.7
9 Weld	3	0.2	11	0.9	32	1.3	89	7.7	315	55.8	0	0.0	6	0.4	14	0.6	47	3.9	306	39.0
10 Northwest	3	0.2	14	1.7	34	1.5	92	7.8	408	58.3	4	0.3	11	1.4	25	1.1	63	5.3	441	44.1
11 Western	7	0.5	13	1.1	35	1.2	68	6.2	288	54.8	1	0.1	4	0.4	24	0.9	45	4.4	246	36.6
12 Eastern	5	0.3	16	1.9	40	1.9	92	7.3	551	64.7	2	0.1	6	0.8	13	0.6	51	3.8	520	44.6
13 Central	9	0.7	10	1.0	35	1.5	103	9.5	306	56.4	5	0.4	6	0.7	29	1.4	45	4.2	281	37.9
14 Southern	9	0.7	18	2.3	46	2.5	110	11.3	389	62.2	4	0.3	5	0.7	12	0.7	39	3.8	338	39.8

Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 111. Deaths by Race/Ethnicity and Sex by County and Region: Colorado Residents, 1989

	ALL RACES			TOTAL WHITE			WHITE/NON-SPANISH			WHITE/SPANISH ORIGIN		
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Colorado	21,056	11,043	10,013	20,115	10,526	9,589	18,281	9,411	8,870	1,834	1,115	719
Adams	1,429	760	669	1,368	726	642	1,211	634	577	157	92	65
Alamosa	103	54	49	100	52	48	57	27	30	43	25	18
Arapahoe	1,712	870	842	1,633	827	806	1,576	790	786	57	37	20
Archuleta	35	23	12	35	23	12	27	19	8	8	4	4
Baca	52	28	24	52	28	24	52	28	24	0	0	0
Bent	48	29	19	48	29	19	40	21	19	8	8	0
Boulder	1,065	527	538	1,050	517	533	1,004	491	513	46	26	20
Chaffee	121	72	49	121	72	49	114	67	47	7	5	2
Cheyenne	35	24	11	35	24	11	35	24	11	0	0	0
Clear Creek	35	25	10	35	25	10	35	25	10	0	0	0
Conejos	63	37	26	63	37	26	21	15	6	42	22	20
Costilla	21	16	5	21	16	5	5	4	1	16	12	4
Crowley	48	29	19	47	29	18	43	26	17	4	3	1
Custer	15	7	8	15	7	8	14	7	7	1	0	1
Delta	265	134	131	265	134	131	258	130	128	7	4	3
Denver	4,415	2,275	2,140	3,894	1,999	1,895	3,370	1,665	1,705	524	334	190
Dolores	17	11	6	17	11	6	17	11	6	0	0	0
Douglas	162	93	69	161	93	68	157	90	67	4	3	1
Eagle	40	27	13	38	27	11	31	23	8	7	4	3
Elbert	56	28	28	56	28	28	55	27	28	1	1	0
El Paso	2,172	1,124	1,048	2,036	1,040	996	1,932	986	946	104	54	50
Fremont	399	210	189	397	209	188	385	204	181	12	5	7
Garfield	206	109	97	204	109	95	197	105	92	7	4	3
Gilpin	10	8	2	10	8	2	10	8	2	0	0	0
Grand	40	28	12	40	28	12	39	28	11	1	0	1
Gunnison	36	22	14	35	22	13	34	21	13	1	1	0
Hinsdale	4	2	2	4	2	2	4	2	2	0	0	0
Huerfano	86	50	36	84	48	36	50	26	24	34	22	12
Jackson	9	6	3	9	6	3	9	6	3	0	0	0
Jefferson	2,219	1,097	1,122	2,182	1,080	1,102	2,096	1,030	1,066	86	50	36
Kiowa	21	12	9	21	12	9	21	12	9	0	0	0
Kit Carson	74	44	30	74	44	30	73	44	29	1	0	1
Lake	31	20	11	31	20	11	25	17	8	6	3	3
La Plata	198	117	81	184	109	75	166	98	68	18	11	7
Larimer	1,042	549	493	1,031	544	487	992	516	476	39	28	11
Las Animas	161	92	69	161	92	69	98	56	42	63	36	27
Lincoln	47	25	22	47	25	22	47	25	22	0	0	0
Logan	162	78	84	161	77	84	158	75	83	3	2	1
Mesa	819	416	403	816	413	403	771	389	382	45	24	21
Mineral	4	3	1	4	3	1	4	3	1	0	0	0
Moffat	55	24	31	55	24	31	54	23	31	1	1	0
Montezuma	163	100	63	149	91	58	142	86	56	7	5	2
Montrose	238	132	106	237	131	106	224	121	103	13	10	3
Morgan	202	111	91	202	111	91	190	104	86	12	7	5
Otero	218	117	101	214	114	100	164	85	79	50	29	21
Ouray	10	3	7	10	3	7	10	3	7	0	0	0
Park	28	16	12	28	16	12	28	16	12	0	0	0
Phillips	51	26	25	51	26	25	51	26	25	0	0	0
Pitkin	21	16	5	21	16	5	21	16	5	0	0	0
Prowers	115	56	59	115	56	59	108	51	57	7	5	2
Pueblo	1,159	628	531	1,138	616	522	861	456	405	277	160	117
Rio Blanco	30	12	18	30	12	18	30	12	18	0	0	0
Rio Grande	98	61	37	97	60	37	70	41	29	27	19	8
Routt	53	34	19	53	34	19	53	34	19	0	0	0
Saguache	33	18	15	33	18	15	25	13	12	8	5	3
San Juan	4	4	0	4	4	0	4	4	0	0	0	0
San Miguel	8	6	2	8	6	2	8	6	2	0	0	0

PLACE	ALL RACES TOTAL	ALL RACES MALE	ALL RACES FEMALE	TOTAL WHITE TOTAL	TOTAL WHITE MALE	TOTAL WHITE FEMALE	WHITE/NON-SPANISH TOTAL	WHITE/NON-SPANISH MALE	WHITE/NON-SPANISH FEMALE	WHITE/SPANISH ORIGIN TOTAL	WHITE/SPANISH ORIGIN MALE	WHITE/SPANISH ORIGIN FEMALE
Sedgwick	39	25	14	39	25	14	36	23	13	3	2	1
Summit	20	11	9	19	10	9	19	10	9	0	0	0
Teller	53	29	24	52	29	23	51	28	23	1	1	0
Washington	42	24	18	42	24	18	42	24	18	0	0	0
Weld	841	457	384	835	453	382	759	402	357	76	51	25
Yuma	98	52	46	98	52	46	98	52	46	0	0	0
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	594	316	278	593	315	278	575	304	271	18	11	7
2	1,883	1,006	877	1,866	997	869	1,751	918	833	115	79	36
3	11,047	5,655	5,392	10,333	5,275	5,058	9,459	4,733	4,726	874	542	332
4	2,253	1,169	1,084	2,116	1,085	1,031	2,011	1,030	981	105	55	50
5	212	121	91	212	121	91	210	120	90	2	1	1
6	502	271	231	497	268	229	428	223	205	69	45	24
7	1,159	628	531	1,138	616	522	861	456	405	277	160	117
8	322	189	133	318	186	132	182	103	79	136	83	53
9	417	255	162	389	238	151	356	218	138	33	20	13
10	561	299	262	559	298	261	538	283	255	21	15	6
11	1,110	561	549	1,105	558	547	1,052	529	523	53	29	24
12	183	122	61	180	121	59	172	117	55	8	4	4
13	566	309	257	564	308	256	538	295	243	26	13	13
14	247	142	105	245	140	105	148	82	66	97	58	39
METRO/NON-METRO:												
Denver PMSA	9,937	5,095	4,842	9,238	4,725	4,513	8,410	4,209	4,201	828	516	312
Denver CMSA	11,002	5,622	5,380	10,288	5,242	5,046	9,414	4,700	4,714	874	542	332
Total Metro	16,216	8,380	7,836	15,328	7,895	7,433	13,958	7,060	6,898	1,370	835	535
Non-Metro	4,840	2,663	2,177	4,787	2,631	2,156	4,323	2,351	1,972	464	280	184
FIVE-REGION SUBSTATE GROUPS:												
Front Range	16,216	8,380	7,836	15,328	7,895	7,433	13,958	7,060	6,898	1,370	835	535
Western Slope	2,271	1,237	1,034	2,233	1,215	1,018	2,118	1,147	971	115	68	47
Eastern Plains	1,308	708	600	1,302	704	598	1,213	647	566	89	57	32
San Luis Valley	322	189	133	318	186	132	182	103	79	136	83	53
Eastern Mtns	939	529	410	934	526	408	810	454	356	124	72	52
POPULATION-BASED REGIONS:												
1 Denver	4,415	2,275	2,140	3,894	1,999	1,895	3,370	1,665	1,705	524	334	190
2 Jefferson	2,219	1,097	1,122	2,182	1,080	1,102	2,096	1,030	1,066	86	50	36
3 Boulder	1,065	527	538	1,050	517	533	1,004	491	513	46	26	20
4 Adams	1,429	760	669	1,368	726	642	1,211	634	577	157	92	65
5 Arapahoe	1,712	870	842	1,633	827	806	1,576	790	786	57	37	20
6 El Paso	2,172	1,124	1,048	2,036	1,040	996	1,932	986	946	104	54	50
7 Larimer	1,042	549	493	1,031	544	487	992	516	476	39	28	11
8 Pueblo	1,159	628	531	1,138	616	522	861	456	405	277	160	117
9 Weld	841	457	384	835	453	382	759	402	357	76	51	25
10 Northwest Reg	1,110	561	549	1,105	558	547	1,052	529	523	53	29	24
11 Western Reg	744	421	323	739	419	320	710	400	310	29	19	10
12 Eastern Reg	1,308	708	600	1,302	704	598	1,213	647	566	89	57	32
13 Central Reg	854	480	374	850	479	371	819	462	357	31	17	14
14 Southern Reg	986	586	400	952	564	388	686	403	283	266	161	105

Table 111, Continued.

PLACE	TOTAL NON-WHITE TOTAL	MALE	FEMALE	BLACK TOTAL	MALE	FEMALE	NATIVE AMERICAN TOTAL	MALE	FEMALE	ASIAN TOTAL	MALE	FEMALE
Colorado	939	516	423	741	413	328	72	44	28	126	59	67
Adams	61	34	27	35	18	17	4	3	1	22	13	9
Alamosa	3	2	1	1	1	0	0	0	0	2	1	1
Arapahoe	79	43	36	60	36	24	4	2	2	15	5	10
Archuleta	0	0	0	0	0	0	0	0	0	0	0	0
Baca	0	0	0	0	0	0	0	0	0	0	0	0
Bent	0	0	0	0	0	0	0	0	0	0	0	0
Boulder	15	10	5	8	5	3	1	1	0	6	4	2
Chaffee	0	0	0	0	0	0	0	0	0	0	0	0
Cheyenne	0	0	0	0	0	0	0	0	0	0	0	0
Clear Creek	0	0	0	0	0	0	0	0	0	0	0	0
Conejos	0	0	0	0	0	0	0	0	0	0	0	0
Costilla	0	0	0	0	0	0	0	0	0	0	0	0
Crowley	1	0	1	0	0	0	0	0	0	1	0	1
Custer	0	0	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0	0	0
Denver	520	275	245	470	251	219	11	7	4	39	17	22
Dolores	0	0	0	0	0	0	0	0	0	0	0	0
Douglas	1	0	1	0	0	0	1	0	1	0	0	0
Eagle	2	0	2	0	0	0	1	0	1	1	0	1
Elbert	0	0	0	0	0	0	0	0	0	0	0	0
El Paso	136	84	52	121	75	46	3	2	1	12	7	5
Fremont	2	1	1	2	1	1	0	0	0	0	0	0
Garfield	2	0	2	0	0	0	2	0	2	0	0	0
Gilpin	0	0	0	0	0	0	0	0	0	0	0	0
Grand	0	0	0	0	0	0	0	0	0	0	0	0
Gunnison	1	0	1	1	0	1	0	0	0	0	0	0
Hinsdale	0	0	0	0	0	0	0	0	0	0	0	0
Huerfano	2	2	0	2	2	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson	37	17	20	13	7	6	6	3	3	18	7	11
Kiowa	0	0	0	0	0	0	0	0	0	0	0	0
Kit Carson	0	0	0	0	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0	0	0	0	0
La Plata	14	8	6	0	0	0	14	8	6	0	0	0
Larimer	10	5	5	2	1	1	4	2	2	4	2	2
Las Animas	0	0	0	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0
Logan	1	1	0	1	1	0	0	0	0	0	0	0
Mesa	3	3	0	2	2	0	1	1	0	0	0	0
Mineral	0	0	0	0	0	0	0	0	0	0	0	0
Moffat	0	0	0	0	0	0	0	0	0	0	0	0
Montezuma	14	9	5	0	0	0	14	9	5	0	0	0
Montrose	1	1	0	0	0	0	1	1	0	0	0	0
Morgan	0	0	0	0	0	0	0	0	0	0	0	0
Otero	4	3	1	1	0	1	2	2	0	1	1	0
Ouray	0	0	0	0	0	0	0	0	0	0	0	0
Park	0	0	0	0	0	0	0	0	0	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0	0	0
Pitkin	0	0	0	0	0	0	0	0	0	0	0	0
Prowers	0	0	0	0	0	0	0	0	0	0	0	0
Pueblo	21	12	9	20	12	8	0	0	0	1	0	1
Rio Blanco	0	0	0	0	0	0	0	0	0	0	0	0
Rio Grande	1	1	0	0	0	0	1	1	0	0	0	0
Routt	0	0	0	0	0	0	0	0	0	0	0	0
Saguache	0	0	0	0	0	0	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0	0	0	0	0	0	0

	TOTAL NON-WHITE			BLACK			NATIVE AMERICAN			ASIAN		
PLACE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Sedgwick	0	0	0	0	0	0	0	0	0	0	0	0
Summit	1	1	0	0	0	0	0	0	0	1	1	0
Teller	1	0	1	1	0	1	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0
Weld	6	4	2	1	1	0	2	2	0	3	1	2
Yuma	0	0	0	0	0	0	0	0	0	0	0	0
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	1	1	0	1	1	0	0	0	0	0	0	0
2	16	9	7	3	2	1	6	4	2	7	3	4
3	713	379	334	586	317	269	27	16	11	100	46	54
4	137	84	53	122	75	47	3	2	1	12	7	5
5	0	0	0	0	0	0	0	0	0	0	0	0
6	5	3	2	1	0	1	2	2	0	2	1	1
7	21	12	9	20	12	8	0	0	0	1	0	1
8	4	3	1	1	1	0	1	1	0	2	1	1
9	28	17	11	0	0	0	28	17	11	0	0	0
10	2	1	1	1	0	1	1	1	0	0	0	0
11	5	3	2	2	2	0	3	1	2	0	0	0
12	3	1	2	0	0	0	1	0	1	2	1	1
13	2	1	1	2	1	1	0	0	0	0	0	0
14	2	2	0	2	2	0	0	0	0	0	0	0
METRO/NON-METRO:												
Denver PMSA	698	369	329	578	312	266	26	15	11	94	42	52
Denver CMSA	713	379	334	586	317	269	27	16	11	100	46	54
Total Metro	886	484	402	730	406	324	36	22	14	120	56	64
Non-Metro	53	32	21	11	7	4	36	22	14	6	3	3
FIVE-REGION SUBSTATE GROUPS:												
Front Range	886	484	402	730	406	324	36	22	14	120	56	64
Western Slope	38	22	16	3	2	1	33	19	14	2	1	1
Eastern Plains	6	4	2	2	1	1	2	2	0	2	1	1
San Luis Valley	4	3	1	1	1	0	1	1	0	2	1	1
Eastern Mtns	5	3	2	5	3	2	0	0	0	0	0	0
POPULATION-BASED REGIONS:												
1 Denver	520	275	245	470	251	219	11	7	4	39	17	22
2 Jefferson	37	17	20	13	7	6	6	3	3	18	7	11
3 Boulder	15	10	5	8	5	3	1	1	0	6	4	2
4 Adams	61	34	27	35	18	17	4	3	1	22	13	9
5 Arapahoe	79	43	36	60	36	24	4	2	2	15	5	10
6 El Paso	136	84	52	121	75	46	3	2	1	12	7	5
7 Larimer	10	5	5	2	1	1	4	2	2	4	2	2
8 Pueblo	21	12	9	20	12	8	0	0	0	1	0	1
9 Weld	6	4	2	1	1	0	2	2	0	3	1	2
10 Northwest Reg	5	3	2	2	2	0	3	1	2	0	0	0
11 Western Reg	5	2	3	1	0	1	2	1	1	2	1	1
12 Eastern Reg	6	4	2	2	1	1	2	2	0	2	1	1
13 Central Reg	4	1	3	3	1	2	1	0	1	0	0	0
14 Southern Reg	34	22	12	3	3	0	29	18	11	2	1	1

See inside back cover for descriptions of regions.

Table 112. Deaths and Crude Death Rates for Selected Causes by County and Region: Colorado, 1989

PLACE	HEART DISEASE		MALIGNANT NEOPLASMS		CEREBROVASCULAR DISEASE		COPD		UNINTENTIONAL INJURIES		MOTOR VEHICLE ACCIDENTS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	6,088	183.5	4,691	141.4	1,319	39.8	1,318	39.7	1,087	32.8	558	16.8
Adams	390	146.0	341	127.6	59	22.1	98	36.7	79	29.6	37	13.8
Alamosa	30	236.2	18	141.7	4	31.5	3	23.6	8	63.0	4	31.5
Arapahoe	462	119.6	455	117.8	89	23.0	99	25.6	85	22.0	46	11.9
Archuleta	6	115.5	12	230.9	2	38.5	3	57.7	3	57.7	1	19.2
Baca	19	422.2	10	222.2	2	44.4	2	44.4	2	44.4	0	0.0
Bent	17	324.6	8	152.7	4	76.4	2	38.2	3	57.3	0	0.0
Boulder	329	146.3	236	105.0	93	41.4	65	28.9	64	28.5	36	16.0
Chaffee	43	347.2	21	169.5	11	88.8	8	64.6	8	64.6	3	24.2
Cheyenne	16	614.4	10	384.0	1	38.4	1	38.4	3	115.2	3	115.2
Clear Creek	9	123.6	9	123.6	0	0.0	3	41.2	6	82.4	1	13.7
Conejos	25	313.5	14	175.6	1	12.5	2	25.1	4	50.2	3	37.6
Costilla	4	121.5	3	91.2	2	60.8	0	0.0	2	60.8	2	60.8
Crowley	16	355.7	7	155.6	3	66.7	4	88.9	2	44.5	1	22.2
Custer	6	297.8	4	198.5	0	0.0	2	99.3	1	49.6	1	49.6
Delta	67	303.9	73	331.1	17	77.1	20	90.7	11	49.9	4	18.1
Denver	1,293	259.5	929	186.5	262	52.6	263	52.8	182	36.5	75	15.1
Dolores	5	321.5	3	192.9	0	0.0	3	192.9	1	64.3	1	64.3
Douglas	41	83.0	38	76.9	3	6.1	9	18.2	16	32.4	9	18.2
Eagle	10	46.9	11	51.5	4	18.7	2	9.4	5	23.4	3	14.1
Elbert	12	125.5	20	209.2	4	41.8	2	20.9	3	31.4	2	20.9
El Paso	555	139.7	485	122.1	170	42.8	135	34.0	124	31.2	70	17.6
Fremont	134	443.5	75	248.2	26	86.1	39	129.1	18	59.6	11	36.4
Garfield	51	184.0	37	133.5	19	68.6	15	54.1	16	57.7	11	39.7
Gilpin	0	0.0	2	78.4	0	0.0	1	39.2	2	78.4	1	39.2
Grand	9	101.4	8	90.2	2	22.5	2	22.5	3	33.8	1	11.3
Gunnison	8	67.0	4	33.5	2	16.8	5	41.9	4	33.5	3	25.1
Hinsdale	0	0.0	1	293.3	1	293.3	0	0.0	0	0.0	0	0.0
Huerfano	33	483.4	15	219.7	6	87.9	2	29.3	8	117.2	1	14.6
Jackson	3	205.2	4	273.6	0	0.0	0	0.0	1	68.4	1	68.4
Jefferson	595	140.1	523	123.2	130	30.6	144	33.9	108	25.4	57	13.4
Kiowa	6	347.6	7	405.6	0	0.0	3	173.8	1	57.9	1	57.9
Kit Carson	20	263.5	13	171.3	6	79.1	7	92.2	2	26.4	2	26.4
Lake	5	81.2	13	211.1	0	0.0	2	32.5	5	81.2	4	65.0
La Plata	54	175.2	44	142.7	14	45.4	12	38.9	9	29.2	5	16.2
Larimer	280	153.1	228	124.6	97	53.0	69	37.7	40	21.9	23	12.6
Las Animas	58	413.5	26	185.4	11	78.4	8	57.0	6	42.8	2	14.3
Lincoln	14	303.2	9	194.9	5	108.3	6	130.0	1	21.7	1	21.7
Logan	64	337.4	39	205.6	11	58.0	10	52.7	8	42.2	3	15.8
Mesa	268	292.3	193	210.5	50	54.5	47	51.3	38	41.5	18	19.6
Mineral	0	0.0	3	570.3	0	0.0	0	0.0	1	190.1	0	0.0
Moffat	24	228.4	11	104.7	2	19.0	2	19.0	4	38.1	3	28.6
Montezuma	48	292.7	36	219.5	5	30.5	8	48.8	15	91.5	9	54.9
Montrose	72	272.5	51	193.0	7	26.5	25	94.6	10	37.8	5	18.9
Morgan	101	447.4	25	110.7	13	57.6	8	35.4	3	13.3	1	4.4
Otero	71	334.8	33	155.6	14	66.0	13	61.3	11	51.9	6	28.3
Ouray	1	49.9	2	99.7	0	0.0	1	49.9	1	49.9	1	49.9
Park	11	181.3	6	98.9	2	33.0	1	16.5	5	82.4	1	16.5
Phillips	14	318.1	13	295.4	6	136.3	2	45.4	5	113.6	5	113.6
Pitkin	5	35.5	6	42.7	0	0.0	1	7.1	4	28.4	1	7.1
Prowers	38	285.6	25	187.9	6	45.1	6	45.1	8	60.1	5	37.6
Pueblo	343	258.1	230	173.1	87	65.5	60	45.1	45	33.9	27	20.3
Rio Blanco	10	192.5	7	134.7	1	19.2	1	19.2	4	77.0	1	19.2
Rio Grande	28	256.3	22	201.4	7	64.1	12	109.8	4	36.6	3	27.5
Routt	19	128.7	9	61.0	2	13.5	3	20.3	11	74.5	4	27.1
Saguache	6	157.2	8	209.6	2	52.4	3	78.6	6	157.2	1	26.2
San Juan	1	133.5	1	133.5	0	0.0	0	0.0	1	133.5	0	0.0
San Miguel	1	23.4	4	93.6	0	0.0	0	0.0	2	46.8	0	0.0

	HEART DISEASE		MALIGNANT NEOPLASMS		CEREBROVASCULAR DISEASE		COPD		UNINTENTIONAL INJURIES		MOTOR VEHICLE ACCIDENTS	
PLACE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	14	481.1	15	515.5	0	0.0	1	34.4	2	68.7	0	0.0
Summit	4	28.2	8	56.4	0	0.0	0	0.0	0	0.0	0	0.0
Teller	13	116.3	19	170.0	4	35.8	1	8.9	5	44.7	2	17.9
Washington	16	330.0	6	123.8	2	41.3	2	41.3	6	123.8	2	41.3
Weld	249	173.6	185	129.0	41	28.6	63	43.9	46	32.1	30	20.9
Yuma	42	448.9	18	192.4	7	74.8	7	74.8	6	64.1	4	42.7
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	251	398.0	116	183.9	39	61.8	30	47.6	30	47.6	15	23.8
2	529	162.1	413	126.6	138	42.3	132	40.5	86	26.4	53	16.2
3	3,119	167.7	2,533	136.2	636	34.2	682	36.7	542	29.1	262	14.1
4	579	139.7	510	123.1	176	42.5	137	33.1	134	32.3	73	17.6
5	62	254.4	52	213.4	16	65.7	16	65.7	9	36.9	8	32.8
6	167	330.9	90	178.3	29	57.5	30	59.4	27	53.5	13	25.8
7	343	258.1	230	173.1	87	65.5	60	45.1	45	33.9	27	20.3
8	93	237.0	68	173.3	16	40.8	20	51.0	25	63.7	13	33.1
9	114	208.3	96	175.4	21	38.4	26	47.5	29	53.0	16	29.2
10	149	222.3	135	201.4	27	40.3	51	76.1	28	41.8	13	19.4
11	353	261.3	248	183.6	72	53.3	65	48.1	62	45.9	33	24.4
12	50	66.9	46	61.6	8	10.7	8	10.7	24	32.1	10	13.4
13	188	370.3	113	222.6	37	72.9	51	100.4	32	63.0	19	37.4
14	91	436.4	41	196.6	17	81.5	10	48.0	14	67.1	3	14.4
METRO/NON-METRO:												
Denver PMSA	2,781	171.1	2,286	140.6	543	33.4	613	37.7	470	28.9	224	13.8
Denver CMSA	3,110	168.1	2,522	136.3	636	34.4	678	36.6	534	28.9	260	14.1
Total Metro	4,537	167.6	3,650	134.8	1,031	38.1	1,005	37.1	789	29.1	410	15.1
Non-Metro	1,551	255.4	1,041	171.4	288	47.4	313	51.5	298	49.1	148	24.4
FIVE-REGION SUBSTATE GROUPS:												
Front Range	4,537	167.6	3,650	134.8	1,031	38.1	1,005	37.1	789	29.1	410	15.1
Western Slope	666	200.9	525	158.4	128	38.6	150	45.2	143	43.1	72	21.7
Eastern Plains	480	348.1	258	187.1	84	60.9	76	55.1	66	47.9	36	26.1
San Luis Valley	93	237.0	68	173.3	16	40.8	20	51.0	25	63.7	13	33.1
Eastern Mtns	312	316.1	190	192.5	60	60.8	67	67.9	64	64.8	27	27.4
POPULATION-BASED REGIONS:												
1 Denver	1,293	259.5	929	186.5	262	52.6	263	52.8	182	36.5	75	15.1
2 Jefferson	595	140.1	523	123.2	130	30.6	144	33.9	108	25.4	57	13.4
3 Boulder	329	146.3	236	105.0	93	41.4	65	28.9	64	28.5	36	16.0
4 Adams	390	146.0	341	127.6	59	22.1	98	36.7	79	29.6	37	13.8
5 Arapahoe	462	119.6	455	117.8	89	23.0	99	25.6	85	22.0	46	11.9
6 El Paso	555	139.7	485	122.1	170	42.8	135	34.0	124	31.2	70	17.6
7 Larimer	280	153.1	228	124.6	97	53.0	69	37.7	40	21.9	23	12.6
8 Pueblo	343	258.1	230	173.1	87	65.5	60	45.1	45	33.9	27	20.3
9 Weld	249	173.6	185	129.0	41	28.6	63	43.9	46	32.1	30	20.9
10 Northwest Reg	353	261.3	248	183.6	72	53.3	65	48.1	62	45.9	33	24.4
11 Western Reg	199	140.4	181	127.7	35	24.7	59	41.6	52	36.7	23	16.2
12 Eastern Reg	480	348.1	258	187.1	84	60.9	76	55.1	66	47.9	36	26.1
13 Central Reg	262	205.9	187	147.0	46	36.2	66	51.9	66	51.9	33	25.9
14 Southern Reg	298	259.5	205	178.5	54	47.0	56	48.8	68	59.2	32	27.9

Table 112, Continued.

PLACE	OTHER UNINTENTIONAL INJURIES NUMBER	OTHER UNINTENTIONAL INJURIES RATE	INFLUENZA AND PNEUMONIA NUMBER	INFLUENZA AND PNEUMONIA RATE	SUICIDE NUMBER	SUICIDE RATE	DIABETES MELLITUS NUMBER	DIABETES MELLITUS RATE	ATHEROSCLEROSIS NUMBER	ATHEROSCLEROSIS RATE	CHRONIC LIVER DISEASE/CIRRHOSIS NUMBER	CHRONIC LIVER DISEASE/CIRRHOSIS RATE
Colorado	529	15.9	885	26.7	546	16.5	445	13.4	316	9.5	324	9.8
Adams	42	15.7	58	21.7	38	14.2	42	15.7	22	8.2	16	6.0
Alamosa	4	31.5	5	39.4	3	23.6	3	23.6	0	0.0	3	23.6
Arapahoe	39	10.1	63	16.3	46	11.9	29	7.5	17	4.4	25	6.5
Archuleta	2	38.5	1	19.2	2	38.5	1	19.2	0	0.0	1	19.2
Baca	2	44.4	1	22.2	1	22.2	0	0.0	5	111.1	0	0.0
Bent	3	57.3	5	95.5	1	19.1	0	0.0	1	19.1	1	19.1
Boulder	28	12.5	30	13.3	29	12.9	18	8.0	14	6.2	11	4.9
Chaffee	5	40.4	1	8.1	1	8.1	3	24.2	4	32.3	2	16.1
Cheyenne	0	0.0	0	0.0	0	0.0	2	76.8	0	0.0	0	0.0
Clear Creek	5	68.7	0	0.0	2	27.5	0	0.0	1	13.7	0	0.0
Conejos	1	12.5	2	25.1	0	0.0	4	50.2	0	0.0	0	0.0
Costilla	0	0.0	0	0.0	2	60.8	1	30.4	0	0.0	0	0.0
Crowley	1	22.2	4	88.9	1	22.2	0	0.0	0	0.0	0	0.0
Custer	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Delta	7	31.8	14	63.5	5	22.7	8	36.3	10	45.4	1	4.5
Denver	107	21.5	173	34.7	106	21.3	76	15.3	68	13.6	105	21.1
Dolores	0	0.0	0	0.0	0	0.0	1	64.3	0	0.0	0	0.0
Douglas	7	14.2	6	12.1	12	24.3	2	4.0	0	0.0	1	2.0
Eagle	2	9.4	0	0.0	2	9.4	1	4.7	0	0.0	0	0.0
Elbert	1	10.5	2	20.9	3	31.4	0	0.0	1	10.5	1	10.5
El Paso	54	13.6	101	25.4	64	16.1	48	12.1	39	9.8	40	10.1
Fremont	7	23.2	13	43.0	6	19.9	9	29.8	12	39.7	4	13.2
Garfield	5	18.0	12	43.3	6	21.7	2	7.2	4	14.4	1	3.6
Gilpin	1	39.2	0	0.0	0	0.0	0	0.0	1	39.2	0	0.0
Grand	2	22.5	2	22.5	2	22.5	0	0.0	0	0.0	0	0.0
Gunnison	1	8.4	1	8.4	1	8.4	2	16.8	0	0.0	1	8.4
Hinsdale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Huerfano	7	102.5	11	161.1	1	14.6	2	29.3	0	0.0	1	14.6
Jackson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	51	12.0	129	30.4	63	14.8	42	9.9	62	14.6	22	5.2
Kiowa	0	0.0	1	57.9	0	0.0	1	57.9	0	0.0	0	0.0
Kit Carson	0	0.0	4	52.7	2	26.4	0	0.0	3	39.5	1	13.2
Lake	1	16.2	0	0.0	0	0.0	1	16.2	0	0.0	0	0.0
La Plata	4	13.0	18	58.4	4	13.0	4	13.0	1	3.2	3	9.7
Larimer	17	9.3	38	20.8	33	18.0	27	14.8	10	5.5	11	6.0
Las Animas	4	28.5	5	35.7	4	28.5	4	28.5	0	0.0	4	28.5
Lincoln	0	0.0	1	21.7	0	0.0	0	0.0	1	21.7	0	0.0
Logan	5	26.4	6	31.6	4	21.1	1	5.3	4	21.1	1	5.3
Mesa	20	21.8	35	38.2	17	18.5	20	21.8	8	8.7	9	9.8
Mineral	1	190.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	1	9.5	1	9.5	0	0.0	1	9.5	1	9.5	0	0.0
Montezuma	6	36.6	8	48.8	8	48.8	4	24.4	0	0.0	2	12.2
Montrose	5	18.9	5	18.9	6	22.7	4	15.1	4	15.1	5	18.9
Morgan	2	8.9	15	66.4	5	22.1	4	17.7	2	8.9	1	4.4
Otero	5	23.6	12	56.6	5	23.6	8	37.7	4	18.9	0	0.0
Ouray	0	0.0	0	0.0	3	149.6	0	0.0	0	0.0	0	0.0
Park	4	65.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Phillips	0	0.0	5	113.6	0	0.0	0	0.0	0	0.0	1	22.7
Pitkin	3	21.3	1	7.1	4	28.4	0	0.0	0	0.0	0	0.0
Prowers	3	22.6	2	15.0	3	22.6	2	15.0	0	0.0	1	7.5
Pueblo	18	13.5	34	25.6	32	24.1	32	24.1	8	6.0	24	18.1
Rio Blanco	3	57.7	1	19.2	1	19.2	0	0.0	0	0.0	0	0.0
Rio Grande	1	9.2	6	54.9	0	0.0	1	9.2	1	9.2	3	27.5
Routt	7	47.4	1	6.8	0	0.0	1	6.8	0	0.0	0	0.0
Saguache	5	131.0	0	0.0	1	26.2	0	0.0	0	0.0	2	52.4
San Juan	1	133.5	0	0.0	0	0.0	0	0.0	0	0.0	1	133.5
San Miguel	2	46.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

	OTHER UNINTENTIONAL INJURIES		INFLUENZA AND PNEUMONIA		SUICIDE		DIABETES MELLITUS		ATHEROSCLEROSIS		CHRONIC LIVER DISEASE/CIRRHOSIS	
PLACE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	2	68.7	1	34.4	0	0.0	1	34.4	0	0.0	0	0.0
Summit	0	0.0	0	0.0	1	7.1	0	0.0	0	0.0	1	7.1
Teller	3	26.8	1	8.9	2	17.9	0	0.0	1	8.9	1	8.9
Washington	4	82.5	1	20.6	0	0.0	1	20.6	2	41.3	0	0.0
Weld	16	11.2	47	32.8	14	9.8	30	20.9	5	3.5	17	11.9
Yuma	2	21.4	2	21.4	0	0.0	2	21.4	0	0.0	0	0.0
PLANNING AND MANAGEMENT REGIONS:												
PMR 1	15	23.8	30	47.6	9	14.3	9	14.3	8	12.7	3	4.8
2	33	10.1	85	26.0	47	14.4	57	17.5	15	4.6	28	8.6
3	280	15.1	459	24.7	296	15.9	209	11.2	185	9.9	180	9.7
4	61	14.7	102	24.6	66	15.9	48	11.6	40	9.7	41	9.9
5	1	4.1	7	28.7	5	20.5	2	8.2	5	20.5	2	8.2
6	14	27.7	25	49.5	11	21.8	11	21.8	10	19.8	2	4.0
7	18	13.5	34	25.6	32	24.1	32	24.1	8	6.0	24	18.1
8	12	30.6	13	33.1	6	15.3	9	22.9	1	2.5	8	20.4
9	13	23.8	27	49.3	14	25.6	10	18.3	1	1.8	7	12.8
10	15	22.4	20	29.8	15	22.4	14	20.9	14	20.9	7	10.4
11	29	21.5	49	36.3	24	17.8	23	17.0	13	9.6	10	7.4
12	14	18.7	4	5.4	9	12.1	2	2.7	0	0.0	1	1.3
13	13	25.6	14	27.6	7	13.8	13	25.6	16	31.5	6	11.8
14	11	52.8	16	76.7	5	24.0	6	28.8	0	0.0	5	24.0
METRO/NON-METRO:												
Denver PMSA	246	15.1	429	26.4	265	16.3	191	11.7	169	10.4	169	10.4
Denver CMSA	274	14.8	459	24.8	294	15.9	209	11.3	183	9.9	180	9.7
Total Metro	379	14.0	679	25.1	437	16.1	346	12.8	245	9.1	272	10.0
Non-Metro	150	24.7	206	33.9	109	17.9	99	16.3	71	11.7	52	8.6
FIVE-REGION SUBSTATE GROUPS:												
Front Range	379	14.0	679	25.1	437	16.1	346	12.8	245	9.1	272	10.0
Western Slope	71	21.4	100	30.2	62	18.7	49	14.8	28	8.4	25	7.5
Eastern Plains	30	21.8	62	45.0	25	18.1	22	16.0	23	16.7	7	5.1
San Luis Valley	12	30.6	13	33.1	6	15.3	9	22.9	1	2.5	8	20.4
Eastern Mtns	37	37.5	31	31.4	16	16.2	19	19.3	19	19.3	12	12.2
POPULATION-BASED REGIONS:												
1 Denver	107	21.5	173	34.7	106	21.3	76	15.3	68	13.6	105	21.1
2 Jefferson	51	12.0	129	30.4	63	14.8	42	9.9	62	14.6	22	5.2
3 Boulder	28	12.5	30	13.3	29	12.9	18	8.0	14	6.2	11	4.9
4 Adams	42	15.7	58	21.7	38	14.2	42	15.7	22	8.2	16	6.0
5 Arapahoe	39	10.1	63	16.3	46	11.9	29	7.5	17	4.4	25	6.5
6 El Paso	54	13.6	101	25.4	64	16.1	48	12.1	39	9.8	40	10.1
7 Larimer	17	9.3	38	20.8	33	18.0	27	14.8	10	5.5	11	6.0
8 Pueblo	18	13.5	34	25.6	32	24.1	32	24.1	8	6.0	24	18.1
9 Weld	16	11.2	47	32.8	14	9.8	30	20.9	5	3.5	17	11.9
10 Northwest Reg	29	21.5	49	36.3	24	17.8	23	17.0	13	9.6	10	7.4
11 Western Reg	29	20.5	24	16.9	24	16.9	16	11.3	14	9.9	8	5.6
12 Eastern Reg	30	21.8	62	45.0	25	18.1	22	16.0	23	16.7	7	5.1
13 Central Reg	33	25.9	21	16.5	23	18.1	15	11.8	19	14.9	8	6.3
14 Southern Reg	36	31.4	56	48.8	25	21.8	25	21.8	2	1.7	20	17.4

Table 112, Continued.

PLACE	SEPTICEMIA		CONDITIONS OF PERINATAL PERIOD		CONGENITAL ANOMALIES		HOMICIDE/LEGAL INTERVENTION		ALL OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	181	5.5	178	5.4	160	4.8	158	4.8	3,360	101.3
Adams	11	4.1	14	5.2	13	4.9	10	3.7	238	89.1
Alamosa	1	7.9	1	7.9	1	7.9	3	23.6	20	157.5
Arapahoe	22	5.7	22	5.7	19	4.9	7	1.8	272	70.4
Archuleta	1	19.2	0	0.0	0	0.0	0	0.0	3	57.7
Baca	0	0.0	1	22.2	1	22.2	0	0.0	8	177.8
Bent	0	0.0	0	0.0	0	0.0	0	0.0	6	114.5
Boulder	9	4.0	9	4.0	9	4.0	4	1.8	145	64.5
Chaffee	0	0.0	1	8.1	4	32.3	0	0.0	14	113.0
Cheyenne	0	0.0	0	0.0	0	0.0	0	0.0	2	76.8
Clear Creek	0	0.0	0	0.0	0	0.0	0	0.0	5	68.7
Conejos	0	0.0	1	12.5	1	12.5	1	12.5	8	100.3
Costilla	0	0.0	1	30.4	0	0.0	0	0.0	6	182.3
Crowley	1	22.2	0	0.0	0	0.0	2	44.5	8	177.9
Custer	0	0.0	0	0.0	0	0.0	0	0.0	2	99.3
Delta	2	9.1	0	0.0	1	4.5	1	4.5	35	158.8
Denver	48	9.6	26	5.2	27	5.4	59	11.8	798	160.2
Dolores	0	0.0	0	0.0	0	0.0	0	0.0	4	257.2
Douglas	2	4.0	5	10.1	3	6.1	2	4.0	22	44.5
Eagle	1	4.7	1	4.7	0	0.0	0	0.0	3	14.1
Elbert	0	0.0	0	0.0	0	0.0	0	0.0	8	83.7
El Paso	11	2.8	37	9.3	20	5.0	17	4.3	326	82.1
Fremont	0	0.0	2	6.6	2	6.6	2	6.6	57	188.7
Garfield	0	0.0	0	0.0	2	7.2	3	10.8	38	137.1
Gilpin	0	0.0	0	0.0	0	0.0	0	0.0	4	156.9
Grand	3	33.8	1	11.3	1	11.3	0	0.0	7	78.9
Gunnison	1	8.4	1	8.4	0	0.0	0	0.0	6	50.3
Hinsdale	0	0.0	0	0.0	0	0.0	1	293.3	1	293.3
Huerfano	1	14.6	0	0.0	0	0.0	0	0.0	6	87.9
Jackson	0	0.0	0	0.0	0	0.0	0	0.0	1	68.4
Jefferson	22	5.2	20	4.7	19	4.5	9	2.1	331	77.9
Kiowa	0	0.0	0	0.0	0	0.0	0	0.0	2	115.9
Kit Carson	1	13.2	1	13.2	0	0.0	0	0.0	14	184.5
Lake	0	0.0	0	0.0	0	0.0	0	0.0	5	81.2
La Plata	3	9.7	3	9.7	1	3.2	1	3.2	27	87.6
Larimer	6	3.3	9	4.9	9	4.9	5	2.7	180	98.4
Las Animas	0	0.0	0	0.0	1	7.1	0	0.0	34	242.4
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0	10	216.6
Logan	0	0.0	0	0.0	0	0.0	2	10.5	12	63.3
Mesa	9	9.8	4	4.4	5	5.5	7	7.6	109	118.9
Mineral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	0	0.0	0	0.0	0	0.0	1	9.5	8	76.1
Montezuma	1	6.1	0	0.0	1	6.1	0	0.0	27	164.6
Montrose	1	3.8	1	3.8	4	15.1	0	0.0	43	162.7
Morgan	1	4.4	2	8.9	0	0.0	1	4.4	21	93.0
Otero	2	9.4	1	4.7	3	14.1	2	9.4	39	183.9
Ouray	0	0.0	0	0.0	0	0.0	0	0.0	2	99.7
Park	0	0.0	0	0.0	1	16.5	0	0.0	2	33.0
Phillips	0	0.0	1	22.7	0	0.0	0	0.0	4	90.9
Pitkin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Prowers	2	15.0	0	0.0	1	7.5	2	15.0	19	142.8
Pueblo	10	7.5	4	3.0	3	2.3	10	7.5	237	178.3
Rio Blanco	0	0.0	0	0.0	0	0.0	0	0.0	5	96.2
Rio Grande	1	9.2	0	0.0	0	0.0	1	9.2	12	109.8
Routt	1	6.8	1	6.8	0	0.0	0	0.0	5	33.9
Saguache	0	0.0	0	0.0	0	0.0	1	26.2	4	104.8
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Miguel	1	23.4	0	0.0	0	0.0	0	0.0	0	0.0

	SEPTICEMIA		CONDITIONS OF PERINATAL PERIOD		CONGENITAL ANOMALIES		HOMICIDE/LEGAL INTERVENTION		ALL OTHER	
PLACE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	1	34.4	0	0.0	0	0.0	0	0.0	4	137.5
Summit	0	0.0	0	0.0	0	0.0	0	0.0	6	42.3
Teller	1	8.9	1	8.9	0	0.0	0	0.0	4	35.8
Washington	0	0.0	0	0.0	1	20.6	0	0.0	5	103.1
Weld	4	2.8	7	4.9	7	4.9	3	2.1	123	85.8
Yuma	0	0.0	0	0.0	0	0.0	1	10.7	13	138.9
PLANNING AND MANAGEMENT REGIONS:										
PMR 1	2	3.2	3	4.8	1	1.6	4	6.3	59	93.6
2	10	3.1	16	4.9	16	4.9	8	2.5	303	92.9
3	114	6.1	96	5.2	90	4.8	91	4.9	1,815	97.6
4	12	2.9	38	9.2	21	5.1	17	4.1	332	80.1
5	1	4.1	1	4.1	0	0.0	0	0.0	34	139.5
6	5	9.9	2	4.0	5	9.9	6	11.9	82	162.5
7	10	7.5	4	3.0	3	2.3	10	7.5	237	178.3
8	2	5.1	3	7.6	2	5.1	6	15.3	50	127.4
9	5	9.1	3	5.5	2	3.7	1	1.8	61	111.5
10	5	7.5	2	3.0	5	7.5	2	3.0	87	129.8
11	9	6.7	4	3.0	7	5.2	11	8.1	160	118.4
12	5	6.7	3	4.0	1	1.3	0	0.0	22	29.5
13	0	0.0	3	5.9	6	11.8	2	3.9	78	153.6
14	1	4.8	0	0.0	1	4.8	0	0.0	40	191.8
METRO/NON-METRO:										
Denver PMSA	105	6.5	87	5.4	81	5.0	87	5.4	1,661	102.2
Denver CMSA	114	6.2	96	5.2	90	4.9	91	4.9	1,806	97.6
Total Metro	145	5.4	153	5.7	129	4.8	126	4.7	2,672	98.7
Non-Metro	36	5.9	25	4.1	31	5.1	32	5.3	688	113.3
FIVE-REGION SUBSTATE GROUPS:										
Front Range	145	5.4	153	5.7	129	4.8	126	4.7	2,672	98.7
Western Slope	24	7.2	12	3.6	15	4.5	14	4.2	330	99.5
Eastern Plains	8	5.8	6	4.4	6	4.4	10	7.3	175	126.9
San Luis Valley	2	5.1	3	7.6	2	5.1	6	15.3	50	127.4
Eastern Mtns	2	2.0	4	4.1	8	8.1	2	2.0	133	134.8
POPULATION-BASED REGIONS:										
1 Denver	48	9.6	26	5.2	27	5.4	59	11.8	798	160.2
2 Jefferson	22	5.2	20	4.7	19	4.5	9	2.1	331	77.9
3 Boulder	9	4.0	9	4.0	9	4.0	4	1.8	145	64.5
4 Adams	11	4.1	14	5.2	13	4.9	10	3.7	238	89.1
5 Arapahoe	22	5.7	22	5.7	19	4.9	7	1.8	272	70.4
6 El Paso	11	2.8	37	9.3	20	5.0	17	4.3	326	82.1
7 Larimer	6	3.3	9	4.9	9	4.9	5	2.7	180	98.4
8 Pueblo	10	7.5	4	3.0	3	2.3	10	7.5	237	178.3
9 Weld	4	2.8	7	4.9	7	4.9	3	2.1	123	85.8
10 Northwest Reg	9	6.7	4	3.0	7	5.2	11	8.1	160	118.4
11 Western Reg	10	7.1	5	3.5	6	4.2	2	1.4	109	76.9
12 Eastern Reg	8	5.8	6	4.4	6	4.4	10	7.3	175	126.9
13 Central Reg	3	2.4	9	7.1	10	7.9	4	3.1	115	90.4
14 Southern Reg	8	7.0	6	5.2	5	4.4	7	6.1	151	131.5

Rates are deaths per 100,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 113. Age-Adjusted Death Rates by Sex by County with 95 Percent Confidence Limits: Colorado Residents, 1989

PLACE	TOTAL DEATHS	TOTAL AGE-ADJUSTED RATE	TOTAL CONFIDENCE LIMIT LOWER	TOTAL CONFIDENCE LIMIT HIGHER	MALE DEATHS	MALE AGE-ADJUSTED RATE	MALE CONFIDENCE LIMIT LOWER	MALE CONFIDENCE LIMIT HIGHER	FEMALE DEATHS	FEMALE AGE-ADJUSTED RATE	FEMALE CONFIDENCE LIMIT LOWER	FEMALE CONFIDENCE LIMIT HIGHER
Colorado	21,056	436.0	429.6	442.3	11,043	567.2	556.4	577.9	10,013	328.9	321.5	336.3
Adams	1,429	440.3	417.0	463.6	760	550.5	511.7	589.3	669	347.8	319.9	375.7
Alamosa	103	602.5	476.5	728.6	54	789.5	572.3	1,006.7	49	448.7	305.7	591.8
Arapahoe	1,712	378.1	359.6	396.7	870	469.0	437.6	500.5	842	303.0	281.0	324.9
Archuleta	35	523.4	346.1	700.6	23	763.2	446.7	1,079.7	12	297.8	126.9	468.6
Baca	52	434.0	288.9	579.1	28	613.8	353.9	873.7	24	278.8	138.3	419.2
Bent	48	343.8	227.8	459.8	29	515.1	306.2	724.0	19	177.1	80.5	273.8
Boulder	1,065	371.8	347.6	396.0	527	474.5	433.6	515.4	538	291.6	262.8	320.4
Chaffee	121	498.9	391.5	606.2	72	714.7	534.9	894.4	49	336.2	207.6	464.8
Cheyenne	35	756.7	475.1	1,038.2	24	1,158.0	718.8	1,597.2	11	527.2	115.4	939.0
Clear Creek	35	432.0	268.1	596.0	25	665.6	369.7	961.6	10	217.0	77.3	356.8
Conejos	63	519.5	377.0	662.0	37	761.9	501.5	1,022.3	26	307.9	173.6	442.1
Costilla	21	404.5	206.1	602.9	16	681.1	308.6	1,053.6	5	152.6	0.0	310.2
Crowley	48	601.4	392.2	810.5	29	892.9	527.0	1,258.[illegible]	19	355.2	132.8	577.5
Custer	15	512.8	224.9	800.7	7	677.0	154.9	1,199.0	8	475.8	104.9	846.7
Delta	265	476.3	399.1	553.4	134	561.6	443.1	680.1	131	410.6	309.4	511.9
Denver	4,415	521.7	504.0	539.3	2,275	714.9	684.1	745.7	2,140	371.1	351.3	390.9
Dolores	17	568.5	283.8	853.2	11	868.1	363.6	1,372.5	6	375.7	54.2	697.3
Douglas	162	389.8	327.0	452.5	93	510.5	405.1	615.9	69	292.2	218.3	366.0
Eagle	40	394.5	267.4	521.6	27	629.9	392.9	866.9	13	233.3	100.0	366.7
Elbert	56	508.6	367.0	650.1	28	589.1	368.1	810.2	28	428.7	254.4	603.0
El Paso	2,172	454.6	434.6	474.7	1,124	580.9	546.9	614.9	1,048	355.3	331.5	379.1
Fremont	399	576.8	502.9	650.7	210	767.8	646.7	888.9	189	422.3	331.5	513.2
Garfield	206	459.1	387.6	530.7	109	603.3	483.8	722.8	97	357.7	270.4	445.0
Gilpin	10	285.9	101.3	470.5	8	499.2	144.7	853.7	2	61.9	0.0	146.1
Grand	40	474.2	324.0	624.4	28	751.7	477.5	1,026.0	12	251.1	102.7	399.5
Gunnison	36	359.8	236.8	482.8	22	499.4	288.2	710.7	14	192.8	79.6	306.0
Hinsdale	4	1,149.2	0.0	2,382.3	2	793.6	0.0	1,850.3	2	2,158.8	0.0	4,736.5
Huerfano	86	517.7	380.0	655.4	50	743.2	500.7	985.7	36	352.9	199.5	506.2
Jackson	9	340.4	112.1	568.7	6	511.2	132.2	890.3	3	267.0	0.0	574.8
Jefferson	2,219	402.5	385.4	419.7	1,097	489.5	460.8	518.1	1,122	328.5	307.8	349.1
Kiowa	21	716.5	423.2	1,009.7	12	895.5	409.5	1,381.4	9	1,073.1	892.9	1,253.4
Kit Carson	74	451.5	326.5	576.6	44	624.6	413.9	835.2	30	308.5	169.5	447.4
Lake	31	493.9	315.3	672.5	20	721.8	391.6	1,052.0	11	314.8	126.3	503.3
La Plata	198	435.2	369.2	501.2	117	795.8	484.9	706.6	81	311.5	233.8	389.3
Larimer	1,042	387.4	361.0	413.8	549	509.7	465.0	554.5	493	289.8	259.2	320.4
Las Animas	161	473.4	376.2	570.5	92	766.0	574.7	957.2	69	237.8	160.0	315.6
Lincoln	47	393.1	254.1	532.0	25	534.6	311.2	758.0	22	303.0	114.1	491.9
Logan	162	386.5	316.6	456.4	78	509.8	389.3	630.3	84	285.4	205.8	364.9
Mesa	819	485.6	446.1	525.2	416	616.0	551.3	680.8	403	378.9	330.8	427.0
Mineral	4	344.8	0.0	720.2	3	683.0	0.0	1,474.9	1	103.8	0.0	297.9
Moffat	55	421.3	279.6	563.0	24	572.3	209.9	934.7	31	378.1	231.8	524.3
Montezuma	163	591.2	486.1	696.3	100	879.3	696.8	1,061.9	63	340.6	228.6	452.7
Montrose	238	469.1	398.2	540.0	132	647.6	526.1	769.1	106	311.8	233.3	390.3
Morgan	202	424.7	352.7	496.8	111	609.4	481.8	737.0	91	274.0	197.7	350.2
Otero	218	459.0	383.3	534.8	117	627.7	498.2	757.3	101	327.2	241.9	412.5
Ouray	10	278.4	95.2	461.6	3	221.3	0.0	466.7	7	343.8	62.1	625.5
Park	28	463.1	293.9	632.3	16	664.8	376.0	953.7	12	393.9	166.6	621.3
Phillips	51	437.4	265.8	608.9	26	527.0	282.7	771.4	25	388.3	126.2	650.5
Pitkin	21	217.4	118.0	316.8	16	334.4	155.4	513.4	5	111.2	7.1	215.2
Prowers	115	481.1	378.8	583.5	56	591.9	423.2	760.6	59	408.3	283.9	532.7
Pueblo	1,159	484.7	453.1	516.4	628	645.0	591.4	698.6	531	357.5	320.7	394.2
Rio Blanco	30	421.5	254.6	588.4	12	461.5	188.7	734.2	18	392.8	191.2	594.4
Rio Grande	98	490.3	374.7	605.9	61	738.8	531.3	946.4	37	289.7	169.4	410.1

	TOTAL				MALE				FEMALE			
PLACE	DEATHS	AGE-ADJUSTED RATE	CONFIDENCE LIMIT LOWER	CONFIDENCE LIMIT HIGHER	DEATHS	AGE-ADJUSTED RATE	CONFIDENCE LIMIT LOWER	CONFIDENCE LIMIT HIGHER	DEATHS	AGE-ADJUSTED RATE	CONFIDENCE LIMIT LOWER	CONFIDENCE LIMIT HIGHER
Routt	53	438.5	315.0	562.0	34	672.0	450.0	893.9	19	260.9	129.7	392.1
Saguache	33	561.9	339.9	783.8	18	795.1	396.6	1,193.6	15	325.5	130.0	521.1
San Juan	4	553.0	0.0	1,114.9	4	1,262.9	0.0	2,576.0	0	0.0	*****	*****
San Miguel	8	210.1	59.1	361.1	6	411.1	133.7	688.5	2	126.0	0.0	294.2
Sedgwick	39	460.5	272.8	648.2	25	695.3	364.4	1,026.3	14	314.9	107.7	522.2
Summit	20	313.3	148.3	478.2	11	502.9	114.5	891.2	9	255.8	54.9	456.6
Teller	53	397.6	290.3	504.9	29	499.4	324.5	674.2	24	333.9	195.8	471.9
Washington	42	359.5	227.7	491.2	24	487.3	267.8	706.9	18	254.0	96.0	411.9
Weld	841	408.7	378.5	438.8	457	542.7	491.5	593.9	384	300.4	265.5	335.3
Yuma	98	409.9	309.4	510.4	52	574.6	399.2	750.0	46	275.9	166.0	385.9

Rates are per 100,000 population. Age-adjusted rates are based on the direct method using U.S. population for 1940 as the standard. Rates based on few actual cases must be viewed with caution. These rates were calculated using five-year age groups. Other age-adjusted rates in this report were calculated using 10-year age groups. Care should be used, therefore, in comparing these rates with those found elsewhere. Information about methods used in calculating age-adjusted rates and confidence limits should contact the Health Statistics Section.

Table 114. Autopsies and Certifier Type by County and Region of Occurrence: Colorado Occurrences, 1989

AREA	TOTAL DEATHS	DEATHS AUTOPSIED	PERCENT OF DEATHS AUTOPSIED	CERTIFIER TYPE					
				PHYSICIAN		CORONER		BOTH	
				DEATHS	PERCENT	DEATHS	PERCENT	DEATHS	PERCENT
Colorado	21,470	3,625	16.9	13,847	64.5	4,016	18.7	3,607	16.8
Adams	1,202	131	10.9	712	59.2	188	15.6	302	25.1
Alamosa	123	9	7.3	80	65.0	19	15.4	24	19.5
Arapahoe	1,598	273	17.1	851	53.3	259	16.2	488	30.5
Archuleta	30	4	13.3	15	50.0	11	36.7	4	13.3
Baca	37	1	2.7	21	56.8	15	40.5	1	2.7
Bent	71	10	14.1	62	87.3	9	12.7	0	0.0
Boulder	977	139	14.2	722	73.9	249	25.5	6	0.6
Chaffee	121	16	13.2	98	81.0	21	17.4	2	1.7
Cheyenne	27	5	18.5	17	63.0	7	25.9	3	11.1
Clear Creek	21	11	52.4	1	4.8	20	95.2	0	0.0
Conejos	50	2	4.0	28	56.0	21	42.0	1	2.0
Costilla	11	0	0.0	0	0.0	9	81.8	2	18.2
Crowley	26	2	7.7	16	61.5	10	38.5	0	0.0
Custer	3	1	33.3	0	0.0	3	100.0	0	0.0
Delta	214	43	20.1	161	75.2	46	21.5	7	3.3
Denver	5,775	1,382	23.9	3,650	63.2	869	15.0	1,256	21.7
Dolores	3	0	0.0	3	100.0	0	0.0	0	0.0
Douglas	65	8	12.3	5	7.7	44	67.7	16	24.6
Eagle	37	19	51.4	9	24.3	28	75.7	0	0.0
Elbert	32	10	31.3	10	31.3	18	56.3	4	12.5
El Paso	2,207	508	23.0	1,532	69.4	396	17.9	279	12.6
Fremont	384	35	9.1	306	79.7	66	17.2	12	3.1
Garfield	207	21	10.1	153	73.9	49	23.7	5	2.4
Gilpin	5	2	40.0	0	0.0	5	100.0	0	0.0
Grand	33	17	51.5	9	27.3	23	69.7	1	3.0
Gunnison	40	15	37.5	18	45.0	21	52.5	1	2.5
Hinsdale	4	1	25.0	1	25.0	3	75.0	0	0.0
Huerfano	58	6	10.3	29	50.0	27	46.6	2	3.4
Jackson	10	4	40.0	1	10.0	6	60.0	3	30.0
Jefferson	2,024	152	7.5	1,287	63.6	340	16.8	397	19.6
Kiowa	18	0	0.0	15	83.3	3	16.7	0	0.0
Kit Carson	54	5	9.3	42	77.8	12	22.2	0	0.0
Lake	26	4	15.4	14	53.8	12	46.2	0	0.0
La Plata	214	12	5.6	170	79.4	36	16.8	8	3.7
Larimer	1,014	138	13.6	615	60.7	138	13.6	261	25.7
Las Animas	137	14	10.2	101	73.7	28	20.4	8	5.8
Lincoln	45	6	13.3	36	80.0	9	20.0	0	0.0
Logan	161	17	10.6	104	64.6	35	21.7	22	13.7
Mesa	946	137	14.5	631	66.7	306	32.3	9	1.0
Mineral	2	0	0.0	1	50.0	1	50.0	0	0.0
Moffat	47	9	19.1	32	68.1	11	23.4	4	8.5
Montezuma	150	8	5.3	122	81.3	28	18.7	0	0.0
Montrose	224	35	15.6	183	81.7	21	9.4	20	8.9
Morgan	196	9	4.6	106	54.1	35	17.9	55	28.1
Otero	211	10	4.7	170	80.6	40	19.0	1	0.5
Ouray	11	8	72.7	2	18.2	2	18.2	7	63.6
Park	25	8	32.0	0	0.0	25	100.0	0	0.0
Phillips	34	3	8.8	29	85.3	5	14.7	0	0.0
Pitkin	35	7	20.0	13	37.1	20	57.1	2	5.7
Prowers	85	3	3.5	64	75.3	13	15.3	8	9.4
Pueblo	1,259	194	15.4	871	69.2	192	15.3	196	15.6
Rio Blanco	36	5	13.9	20	55.6	15	41.7	1	2.8
Rio Grande	83	10	12.0	59	71.1	22	26.5	2	2.4
Routt	49	16	32.7	21	42.9	24	49.0	4	8.2
Saguache	20	10	50.0	2	10.0	18	90.0	0	0.0
San Juan	5	4	80.0	0	0.0	3	60.0	2	40.0
San Miguel	6	3	50.0	0	0.0	2	33.3	4	66.7

AREA	TOTAL DEATHS	DEATHS AUTOPSIED	PERCENT OF DEATHS AUTOPSIED	CERTIFIER TYPE					
				PHYSICIAN		CORONER		BOTH	
				DEATHS	PERCENT	DEATHS	PERCENT	DEATHS	PERCENT
Sedgwick	27	0	0.0	21	77.8	3	11.1	3	11.1
Summit	19	16	84.2	1	5.3	15	78.9	3	15.8
Teller	34	12	35.3	14	41.2	20	58.8	0	0.0
Washington	28	1	3.6	14	50.0	12	42.9	2	7.1
Weld	785	88	11.2	508	64.7	111	14.1	166	21.1
Yuma	89	6	6.7	69	77.5	17	19.1	3	3.4
PLANNING AND MANAGEMENT REGIONS:									
PMR 1	535	36	6.7	343	64.1	107	20.0	85	15.9
2	1,799	226	12.6	1,123	62.4	249	13.8	427	23.7
3	11,667	2,098	18.0	7,228	62.0	1,974	16.9	2,465	21.1
4	2,266	528	23.3	1,546	68.2	441	19.5	279	12.3
5	158	26	16.5	105	66.5	46	29.1	7	4.4
6	448	26	5.8	348	77.7	90	20.1	10	2.2
7	1,259	194	15.4	871	69.2	192	15.3	196	15.6
8	289	31	10.7	170	58.8	90	31.1	29	10.0
9	402	28	7.0	310	77.1	78	19.4	14	3.5
10	499	105	21.0	365	73.1	95	19.0	39	7.8
11	1,236	172	13.9	836	67.6	381	30.8	19	1.5
12	183	79	43.2	54	29.5	116	63.4	13	7.1
13	534	56	10.5	418	78.3	102	19.1	14	2.6
14	195	20	10.3	130	66.7	55	28.2	10	5.1
METRO/NON-METRO:									
Denver PMSA	10,664	1,946	18.2	6,505	61.0	1,700	15.9	2,459	23.1
Denver CMSA	11,641	2,085	17.9	7,227	62.1	1,949	16.7	2,465	21.2
Total Metro	16,906	3,013	17.8	10,753	63.6	2,786	16.5	3,367	19.9
Non-Metro	4,564	612	13.4	3,094	67.8	1,230	27.0	240	5.3
FIVE-REGION SUBSTATE GROUPS:									
Front Range	16,906	3,013	17.8	10,753	63.6	2,786	16.5	3,367	19.9
Western Slope	2,320	384	16.6	1,565	67.5	670	28.9	85	3.7
Eastern Plains	1,141	88	7.7	796	69.8	243	21.3	102	8.9
San Luis Valley	289	31	10.7	170	58.8	90	31.1	29	10.0
Eastern Mtns	814	109	13.4	563	69.2	227	27.9	24	2.9
POPULATION-BASED REGIONS:									
1 Denver	5,775	1,382	23.9	3,650	63.2	869	15.0	1,256	21.7
2 Jefferson	2,024	152	7.5	1,287	63.6	340	16.8	397	19.6
3 Boulder	977	139	14.2	722	73.9	249	25.5	6	0.6
4 Adams	1,202	131	10.9	712	59.2	188	15.6	302	25.1
5 Arapahoe	1,598	273	17.1	851	53.3	259	16.2	488	30.5
6 El Paso	2,207	508	23.0	1,532	69.4	396	17.9	279	12.6
7 Larimer	1,014	138	13.6	615	60.7	138	13.6	261	25.7
8 Pueblo	1,259	194	15.4	871	69.2	192	15.3	196	15.6
9 Weld	785	88	11.2	508	64.7	111	14.1	166	21.1
10 Northwest Reg	1,236	172	13.9	836	67.6	381	30.8	19	1.5
11 Western Reg	682	184	27.0	419	61.4	211	30.9	52	7.6
12 Eastern Reg	1,141	88	7.7	796	69.8	243	21.3	102	8.9
13 Central Reg	684	97	14.2	438	64.0	216	31.6	30	4.4
14 Southern Reg	886	79	8.9	610	68.8	223	25.2	53	6.0

Percentages based on few actual cases must be viewed with caution. See inside back cover for explanations of regions.

Part Seven. Marriages and Marriage Dissolutions

Marriages

Number of Marriages

A total of 31,934 marriages took place in Colorado in 1989, 496 more than the 31,438 marriages recorded in 1988. However, the number of marriages in the state remains lower than counts for years earlier in the decade. Table 115 shows numbers of marriages and marriage rates for Colorado for the years 1950-1989. Marriage dissolution data also are included. U.S. rates are presented for comparison.

Marriage Rate

The Colorado marriage rate increased slightly to 9.6 marriages per 1,000 population in 1989, up from a rate of 9.5 in 1988. Rates for both 1988 and 1989 were lower than those for any previous year since a rate of 9.4 in 1965. Colorado marriage rates generally have decreased since a record high rate of 12.5 was reached in 1981.

The U.S. marriage rate was 9.7 in 1989, the same as in 1988. As Figure 50 indicates, Colorado's marriage rate exceeded that for the nation as a whole between 1958 and 1985. The U.S. marriage rate also has decreased since the early 1980s, but not as much as Colorado's rate has decreased. Colorado's marriage rate has been lower than that of the United States since 1987.

The male marriage rate of 25.5 marriages per 1,000 men aged 15 and older was slightly higher than the female rate of 24.6.

Age at Marriage

People in their twenties accounted for half (50.5 percent) of Colorado marriage partners reporting their ages in 1989, down slightly from 51.6 percent in 1988. Men aged 25-29 and women aged 20-24 represented the largest proportions of marriage partners in their sexes in 1989.

Table 116 shows reported ages of marriage partners, as well as age distributions for marriage partners reporting first marriages in 1989. Table 117 presents marriage rates by age.

Marriage rates were highest for both sexes among ages 20-24. The female rate of 74.0 marriages per 1,000 population in this age group was higher than the male rate of 60.6. Rates were second highest for both men and women among ages 25-29 with a male rate of 55.8 and a female rate of 52.5.

Teen women aged 15-19 had the third highest rate among females, with a rate of 31.7. Women aged 30-34 married at a rate of 30.8 and women aged 35-39 married at a rate of 20.8.

The female teen rate noted above was over twice as high as the male teen rate of 12.2. Male rates were higher for ages 30-34 at 33.6, ages 35-39 at 22.6, and ages 40-44 18.1.

Among older Coloradans, male marriage rates generally were higher than female rates with each succeeding age group. The greater number of women than men in these age groups may account partly for these differences.

As in the past, about twice as many women as men did not list their ages on marriage license applications in 1989.

First Marriages

Colorado marriages in 1989 were the first for 62.5 percent of grooms and 59.9 percent of brides. Table 118 shows first marriage rates by age for men and women in 1989.

As with total marriage rates, first marriage rates were higher for men than for women. The first marriage rate for men was 15.9 marriages per 1,000 men aged 15 years and older, while the female rate was 14.7.

First marriage rates by age predictably were highest among the youngest populations. Males delay first marriages until later in life than do women. Male first marriage rates were higher for all age groups 25 years and older.

Previous Marriages

Marriages in which neither spouse was married previously accounted for nearly half of all marriages (48.9 percent) in Colorado in 1989. Marriages with one partner never married before and the other partner divorced made up one-fourth (24.6 percent) of total marriages. Marriages with both partners divorced accounted for 22.3 percent of marriages.

Greater proportions of women than men reported being divorced, while more men than women reported never having been married before. These differences may partly result from greater numbers of women marrying at earlier ages. Table 119 shows previous marital status for 1989.

Month of Marriage

August had the most marriages of any month in Colorado in 1989 with 3,865 marriages. June followed very closely with 3,863 marriages. These two months accounted for about one-fourth of all marriages in the year. June and August consistently have the greatest number of marriages. Length of month and the number of Saturdays in the month affect the frequency of marriages by month.

January consistently is the least popular month for marriages. Only 1,387 marriages occurred in January in 1989, 4.3 percent of total. February and November also were comparatively unpopular months for marriages in 1989.

Marriages and other vital statistics by month appear in Table 3 of this report.

Ceremony Type

Two-thirds of marriages in 1989 were performed in religious ceremonies in 1989 and one-third were performed in civil ceremonies. These proportions have remained unchanged over many years in the state.

Marriage ceremonies accounted for 21,385 Colorado marriages in 1989, 67.1 percent of marriages with ceremony type reported. Civil ceremonies were reported for 21,385 marriages, 32.9 percent of total.

Marriage Dissolutions

Number of Marriage Dissolutions

An estimated 18,686 marriage dissolutions (divorces and annulments) occurred in Colorado in 1989. The partial loss of reported data for the most populous counties of the state in June through August required estimation of annual and county totals for the year 1989.

The number of marriage dissolutions in 1989 was little changed from the 18,651 reported in 1988. Counts reached an all-time high of 19,532 in 1984. The number in 1989 represents a 4.3 percent decrease from the record high.

Marriage Dissolution Rates

In 1989, Colorado's marriage dissolution rate was 5.6, compared to 5.7 in 1988 and 5.6 in 1987. Marriage dissolution rates for these three years were the lowest seen in the state since a rate of 5.2 in 1972. Table 115 shows marriage dissolution statistics for Colorado and the nation for the years 1950-1989.

Rates for both Colorado and the nation were relatively stable between 1950 and about 1965, with rates ranging between 2.9 and 3.6 per year. Rates increased between 1965 and 1977, reaching a record-high rate of 7.6 in the state in the latter. Marriage dissolution rates have slowly decreased since the late 1970s. Colorado's marriage dissolution rate has exceeded that of the nation in every year since at least 1950.

Figure 51 compares Colorado and U.S. marriage dissolution rates between 1950 and 1989.

Marriages and Marriage Dissolutions by County and Region

Marriage and marriage dissolution data differ from other vital statistics in that they are compiled only by place of occurrence. Other vital statistics are also compiled by place of residence. People do not necessarily marry or divorce in the county or state where they live. For example, Nevada consistently maintains the country's highest rates both for marriages and marriage dissolutions.

Marriage and marriage dissolution statistics by county and region appear in Tables 120 and 121. Data are shown for the years 1970, 1975, 1980, and 1985-89. Figure 52 presents marriage rates and Figure 53 shows marriage dissolution rates by county in 1989. Some rates are based on few cases and should be viewed with caution.

The highest marriage rates in 1989 generally occurred in the western part of the state. Pitkin and Summit counties appear to be non-resident matrimonial destinations. Among metro counties, El Paso and Arapahoe had the highest rates and Weld and Pueblo had the lowest rates. No obvious difference exists between metro and non-metro marriage rates.

Marriage dissolution rates average somewhat higher in metro counties than non-metro counties. Marriage dissolution rates also tended to be higher in the western part of the state than elsewhere. El Paso had the highest rate of any metro county in 1989. Pueblo and Weld counties had the lowest metro rates for marriage dissolutions in 1989.

Table 115. Marriages and Marriage Dissolutions; Colorado Occurrences and United States, 1950-1989

YEAR	POPULATION	MARRIAGES			MARRIAGE DISSOLUTIONS		
		COLORADO		U.S.	COLORADO		U.S.
		NUMBER	RATE	RATE	NUMBER	RATE	RATE
1950	1,325,089	13,800	10.4	11.1	4,400	3.3	2.6
1951	1,326,000	12,900	9.7	9.0	4,400	3.3	2.5
1952	1,365,000	12,600	9.2	9.9	4,500	3.3	2.5
1953	1,431,000	12,200	8.5	9.8	4,300	3.0	2.5
1954	1,493,000	12,200	8.2	9.2	4,300	2.9	2.4
1955	1,546,000	12,647	8.2	9.3	4,900	3.2	2.3
1956	1,625,000	13,147	8.1	9.5	5,800	3.6	2.3
1957	1,664,000	13,831	8.3	8.9	5,100	3.1	2.2
1958	1,667,000	14,691	8.8	8.4	5,700	3.4	2.1
1959	1,710,000	15,518	9.1	8.5	5,900	3.5	2.2
1960	1,753,947	15,895	9.1	8.5	4,729	2.7	2.2
1961	1,840,000	16,842	9.2	8.5	5,600	3.0	2.3
1962	1,900,000	17,037	9.0	8.5	6,700	3.5	2.2
1963	1,940,000	17,677	9.1	8.8	6,700	3.5	2.3
1964	1,970,000	18,393	9.3	9.0	6,100	3.1	2.4
1965	1,990,000	18,690	9.4	9.3	6,700	3.4	2.5
1966	2,010,000	19,849	9.9	9.5	7,253	3.6	2.5
1967	2,050,000	21,836	10.7	9.7	7,950	3.9	2.6
1968	2,120,000	22,849	10.8	10.4	8,552	4.0	2.9
1969	2,170,000	24,159	11.1	10.6	8,996	4.1	3.2
1970	2,228,340	25,000	11.2	10.6	10,400	4.7	3.5
1971	2,303,608	25,839	11.2	10.6	11,809	5.1	3.7
1972	2,404,715	27,095	11.3	11.0	12,604	5.2	4.1
1973	2,495,942	28,023	11.2	10.8	14,401	5.8	4.3
1974	2,541,424	26,061	10.3	10.5	15,104	5.9	4.6
1975	2,586,243	27,565	10.7	10.0	15,733	6.1	4.8
1976	2,632,370	28,601	10.9	9.9	17,520	6.7	5.0
1977	2,696,179	30,063	11.2	9.9	20,557	7.6	5.0
1978	2,766,843	31,129	11.3	10.3	18,590	6.7	5.1
1979	2,849,298	32,831	11.5	10.4	16,498	5.8	5.3
1980	2,908,294	34,943	12.0	10.6	18,571	6.4	5.2
1981	2,983,295	37,251	12.5	10.6	19,515	6.5	5.3
1982	3,071,633	37,796	12.3	10.6	18,710	6.1	5.0
1983	3,148,292	36,239	11.5	10.5	19,409	6.2	4.9
1984	3,189,318	35,525	11.1	10.5	19,532	6.1	4.9
1985	3,232,421	33,612	10.4	10.2	18,778	5.8	5.0
1986	3,265,315	32,811	10.0	10.0	18,951	5.8	4.8
1987	3,293,123	31,931	9.7	9.9	18,590	5.6	4.8
1988	3,300,102	31,438	9.5	9.7	18,651	5.7	4.8
1989	3,316,834	31,934	9.6	9.7	18,686	5.6	4.7

Marriage dissolutions include divorces and annulments. Population figures are from the Demographic Section, Colorado Department of Local Affairs. Rates are events per 1,000 population. U.S. data from the National Center for Health Statistics. Colorado marriages for years 1950-54 and marriage dissolutions for years 1950-59, 1960-65, and 1989 are estimated.

Figure 50. Marriage Rates: Colorado Occurrences and United States, 1950-1989

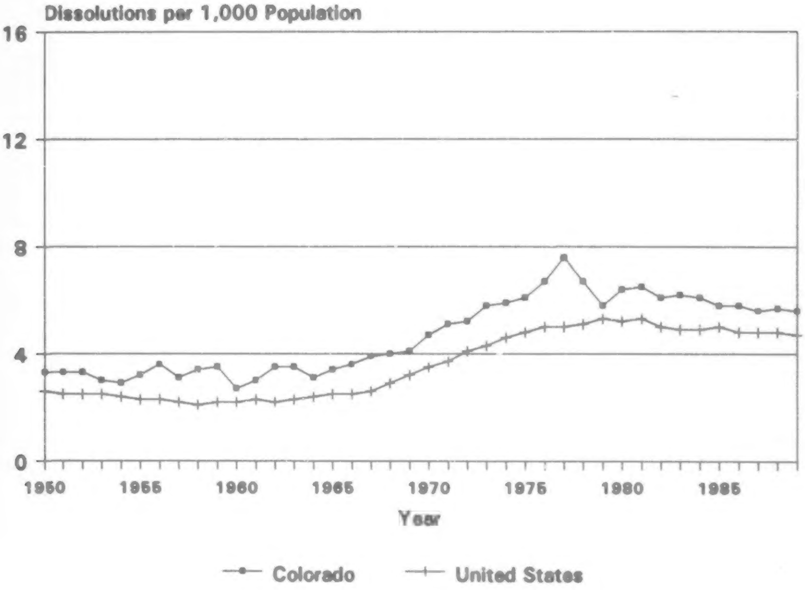


Table 116. Total Marriages and First Marriages by Age and Sex as Reported on Marriage License Applications: Colorado Occurrences, 1989

	TOTAL MARRIAGES				FIRST MARRIAGES			
	NUMBER		PERCENT		NUMBER		PERCENT	
AGE GROUP	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
Total	31,934	31,934	100.0	100.0	19,964	19,118	100.0	100.0
<15	1	4	0.0	0.0	0	4	0.0	0.0
15-19	1,368	3,459	4.3	10.8	1,356	3,394	6.8	17.8
20-24	7,838	8,907	24.5	27.9	7,430	7,897	37.2	41.3
25-29	7,972	7,418	25.0	23.2	6,317	4,830	31.6	25.3
30-34	5,472	4,920	17.1	15.4	3,079	2,006	15.4	10.5
35-39	3,591	3,182	11.2	10.0	1,183	704	5.9	3.7
40-44	2,292	1,841	7.2	5.8	387	193	1.9	1.0
45-49	1,307	984	4.1	3.1	104	44	0.5	0.2
50-54	756	421	2.4	1.3	46	18	0.2	0.1
55-59	476	259	1.5	0.8	25	11	0.1	0.1
60-64	304	156	1.0	0.5	23	6	0.1	0.0
65-69	242	150	0.8	0.5	9	7	0.0	0.0
70-74	138	82	0.4	0.3	5	3	0.0	0.0
75-79	90	47	0.3	0.1	0	1	0.0	0.0
80-84	30	18	0.1	0.1	0	0	0.0	0.0
85+	14	2	0.0	0.0	0	0	0.0	0.0
Not Stated	43	84	0.1	0.3	-	-	-	

Counts are presented as reported. First marriages may be incompletely reported.

Table 117. Marriage Rates by Age and Sex: Colorado Occurrences, 1989

	MEN			WOMEN		
AGE GROUP	POPULATION	NUMBER	RATE	POPULATION	NUMBER	RATE
Total 15+	1,254,744	31,934	25.5	1,299,187	31,934	24.6
15-19	111,675	1,368	12.2	109,271	3,459	31.7
20-24	129,377	7,838	60.6	120,292	8,907	74.0
25-29	142,852	7,972	55.8	141,272	7,418	52.5
30-34	162,794	5,472	33.6	159,742	4,920	30.8
35-39	159,155	3,591	22.6	152,956	3,182	20.8
40-44	126,731	2,292	18.1	123,918	1,841	14.9
45-49	92,832	1307	14.1	93,034	984	10.6
50-54	73,103	756	10.3	73,937	421	5.7
55-59	64,423	476	7.4	68,093	259	3.8
60-64	57,557	304	5.3	64,890	156	2.4
65-69	49,302	242	4.9	58,363	150	2.6
70-74	37,170	138	3.7	47,877	82	1.7
75-79	24,618	90	3.7	36,461	47	1.3
80-84	13,566	30	2.2	25,090	18	0.7
85+	9,589	14	1.5	23,991	2	0.1
Not Stated	-	43	-	-	84	-

Age-specific rates are marriages per 1,000 population in each age group. Total marriage rates are total marriages per 1,000 population aged 15 and older.

Table 118. First Marriage Rates by Age and Sex: Colorado Occurrences, 1989

	MEN			WOMEN		
AGE GROUP	POPULATION	NUMBER	RATE	POPULATION	NUMBER	RATE
Total 15+	1,254,744	19,964	15.9	1,299,187	19,118	14.7
15-19	111,675	1,356	12.1	109,271	3,394	31.1
20-24	129,377	7,430	57.4	120,292	7,897	65.6
25-29	142,852	6,317	44.2	141,272	4,830	34.2
30-34	162,794	3,079	18.9	159,742	2,006	12.6
35-39	159,155	1,183	7.4	152,956	704	4.6
40-44	126,731	387	3.1	123,918	193	1.6
45-49	92,832	104	1.1	93,034	44	0.5
50-54	73,103	46	0.6	73,937	18	0.2
55-59	64,423	25	0.4	68,093	11	0.2
60-64	57,557	23	0.4	64,890	6	0.1
65-69	49,302	9	0.2	58,363	7	0.1
70-74	37,170	5	0.1	47,877	3	0.1
75-79	24,618	0	0.0	36,461	1	0.0
80-84	13,566	0	0.0	25,090	0	0.0
85+	9,589	0	0.0	23,991	0	0.0

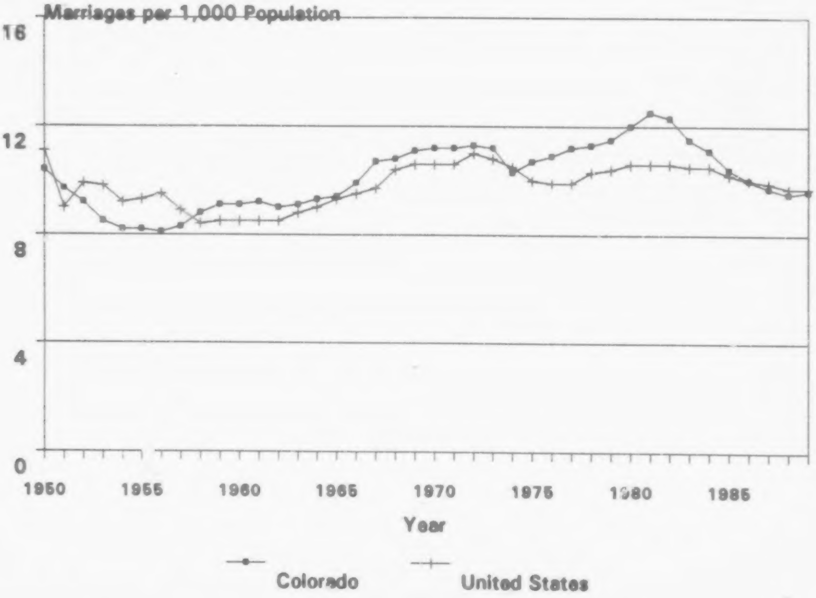
Age-specific first marriage rates are reported first marriages per 1,000 population in each age group. Total first marriage rates are total reported first marriages per 1,000 population aged 15 and older.

Table 119. Previous Marital Status Reported on Marriage License Applications: Colorado Occurrences, 1989

MARITAL STATUS OF MALES	MARITAL STATUS OF FEMALES	NUMBER	PERCENT
Total		31,934	100.0
Never Married	Never Married	15,491	48.9
Never Married	Divorced	4,312	13.6
Never Married	Widowed	134	0.4
Divorced	Never Married	3,532	11.1
Divorced	Divorced	7,071	22.3
Divorced	Widowed	388	1.2
Widowed	Never Married	92	0.3
Widowed	Divorced	378	1.2
Widowed	Widowed	302	1.0
Previous Marital Status Not Stated		234	-

Percentages are of marriages with previous marital status reported.

Figure 51. Marriage Dissolution Rates: Colorado Occurrences and United States, 1950-1989



Marriage dissolutions are divorces and annulments. Colorado data for some years are estimated.

Figure 52. Marriage Rates by County: Colorado Occurrences, 1989

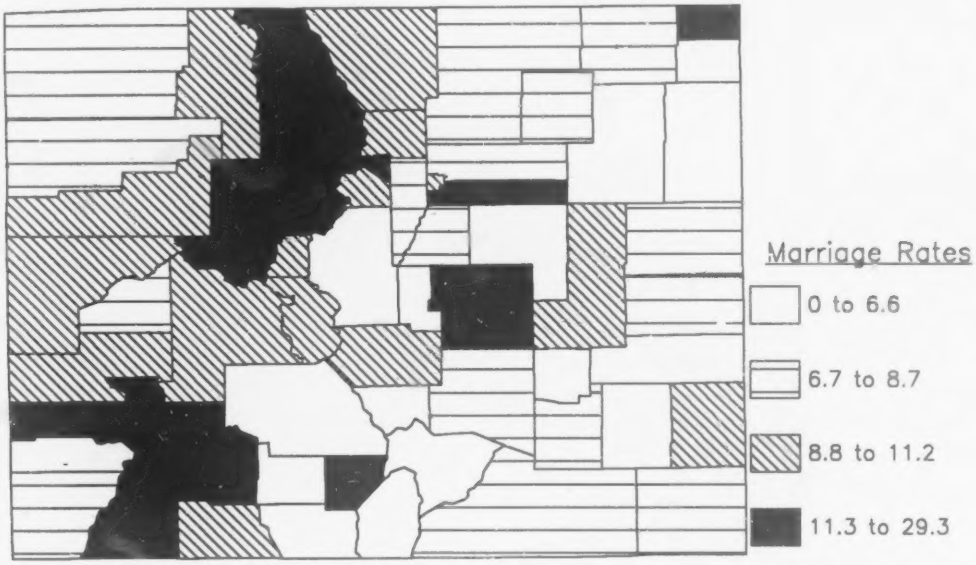
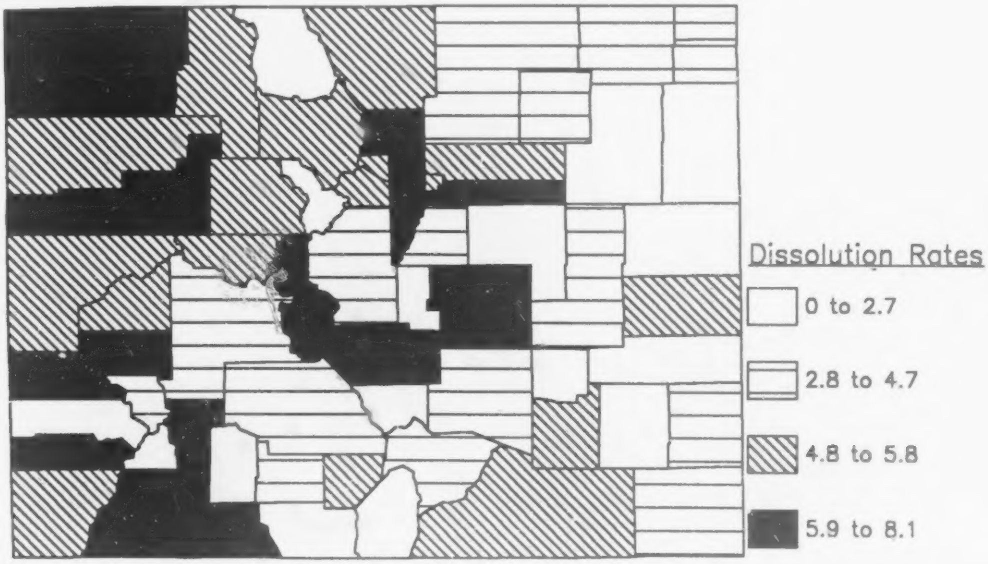

Marriage Rates
0 to 6.6
6.7 to 8.7
8.8 to 11.2
11.3 to 29.3

Figure 53. Marriage Dissolution Rates by County: Colorado Occurrences, 1989


Dissolution Rates
0 to 2.7
2.8 to 4.7
4.8 to 5.8
5.9 to 8.1

Marriage dissolutions are divorces and annulments.

Table 120. Marriages and Marriage Rates by County and Region: Colorado Occurrences, 1970, 1975, 1980, 1985-89

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	25,000	11.2	27,565	10.7	34,917	12.0	33,612	10.4	32,811	10.0	31,931	9.7	31,438	9.5	31,934	9.6
Adams	1,118	6.0	1,542	7.0	1,945	7.9	2,079	7.7	2,147	8.1	2,158	8.0	2,161	8.0	2,073	7.8
Alamosa	152	13.2	189	15.4	202	17.1	176	14.1	167	13.2	140	11.0	143	11.1	148	11.7
Arapahoe	1,540	9.4	1,929	8.8	3,901	13.1	4,274	11.3	4,315	11.2	4,161	10.8	4,270	11.1	4,442	11.5
Archuleta	28	10.4	30	10.1	51	13.8	76	14.6	40	7.5	67	12.7	63	12.6	54	10.4
Baca	56	9.9	54	9.5	45	8.4	32	6.7	33	7.4	33	7.4	42	9.1	33	7.3
Bent	19	2.9	37	5.8	41	6.9	32	5.6	35	6.1	36	6.6	29	5.3	28	5.3
Boulder	1,391	10.4	1,775	10.6	2,436	12.8	2,512	11.9	2,371	11.1	2,291	10.6	2,319	10.5	2,357	10.5
Chaffee	94	9.1	139	11.5	158	11.9	102	8.3	104	8.4	94	7.6	114	9.3	119	9.6
Cheyenne	31	12.9	27	12.0	30	14.1	15	6.2	19	8.1	12	5.2	11	4.5	20	7.7
Clear Creek	68	13.6	81	13.4	97	13.3	74	9.6	67	8.5	73	9.7	80	10.8	79	10.8
Conejos	66	8.4	48	5.9	13	1.7	44	5.5	40	4.9	30	3.6	33	4.0	32	4.0
Costilla	45	14.6	30	9.5	21	6.9	0	0.0	0	0.0	16	4.8	0	0.0	0	0.0
Crowley	18	5.8	33	9.9	28	9.5	20	6.2	19	5.8	15	4.4	13	3.0	20	4.4
Custer	14	12.3	9	7.9	15	10.0	14	6.7	3	1.4	5	2.4	0	0.0	9	4.5
Delta	255	16.7	179	10.2	249	11.6	168	7.0	151	6.6	165	7.3	159	7.1	174	7.9
Denver	7,763	15.0	7,576	15.1	7,645	15.5	6,422	12.6	6,059	11.8	5,494	10.7	4,966	9.9	4,829	9.7
Dolores	15	9.2	21	13.2	12	7.4	4	2.6	8	5.3	13	8.7	9	5.7	9	5.8
Douglas	200	23.2	171	11.6	230	9.0	262	7.1	280	6.8	303	7.0	300	6.4	356	7.2
Eagle	55	7.1	109	10.2	200	14.9	191	10.5	267	14.0	230	11.9	236	11.8	272	12.7
Elbert	7	1.8	28	5.6	44	6.4	40	4.7	49	5.6	42	4.6	48	5.0	44	4.6
El Paso	2,818	11.8	3,451	11.7	4,396	14.1	4,850	13.1	4,838	12.7	4,803	12.2	4,625	11.7	4,678	11.8
Fremont	271	12.2	258	9.7	325	11.3	263	8.7	280	9.4	291	9.7	271	9.0	280	9.3
Garfield	167	11.1	210	11.3	326	14.2	336	13.4	260	10.2	280	10.9	295	11.2	297	10.7
Gilpin	44	33.8	27	14.5	32	13.2	23	8.5	32	11.4	29	10.4	28	10.6	31	12.2
Grand	34	8.0	63	9.7	127	16.9	120	12.5	102	10.6	86	9.0	87	9.6	109	12.3
Gunnison	79	10.2	101	11.0	137	12.8	116	10.4	111	9.4	142	11.8	122	10.1	129	10.8
Hinsdale	2	9.7	8	22.9	6	15.8	9	24.2	11	30.6	18	47.0	6	16.7	10	29.3
Huerfano	77	11.8	72	10.8	61	9.5	53	7.4	41	5.7	25	3.5	27	3.9	38	5.6
Jackson	19	10.3	8	4.6	11	6.0	8	5.0	17	10.9	14	8.7	16	10.4	17	11.6
Jefferson	1,968	8.3	2,372	7.5	3,303	8.8	3,427	8.3	3,349	8.0	3,370	8.0	3,288	7.8	3,381	8.0
Kiowa	27	13.3	17	8.2	8	4.2	14	7.6	8	4.4	11	6.2	11	6.3	7	4.1
Kit Carson	86	11.3	73	9.4	108	14.3	54	7.0	62	8.1	68	9.0	80	10.5	66	8.7
Lake	120	14.4	107	12.3	151	17.1	68	9.8	85	12.8	60	9.6	58	9.7	69	11.2
La Plata	246	12.7	317	13.4	392	14.4	396	12.9	40[illegible]	13.5	411	13.6	412	13.6	437	14.2
Larimer	1,009	11.0	1,217	10.1	1,639	10.9	1,798	10.6	1,790	10.3	1,733	9.7	1,801	10.0	1,847	10.1
Las Animas	171	10.8	106	6.7	135	9.1	96	6.7	83	5.9	96	6.6	101	7.1	94	6.7
Lincoln	34	7.0	47	9.3	65	14.1	52	11.3	36	8.1	47	10.5	53	11.4	42	9.1
Logan	245	13.0	251	12.9	272	13.7	184	9.3	182	9.6	160	8.5	161	8.5	164	8.6
Mesa	617	11.3	698	11.0	1,103	13.4	883	10.0	750	8.7	777	9.0	816	9.3	919	10.0
Mineral	8	10.1	8	10.0	20	25.6	18	23.6	17	24.6	7	10.7	8	13.3	8	15.2
Moffat	73	11.2	128	16.1	186	14.1	116	9.2	104	8.7	82	7.4	102	9.4	80	7.6
Montezuma	144	11.0	110	7.3	204	12.3	206	11.4	150	8.6	175	10.5	166	10.2	137	8.4
Montrose	163	8.9	191	9.2	298	12.2	212	8.3	167	6.6	225	8.8	240	9.2	236	8.9
Morgan	214	10.5	202	9.2	255	11.3	195	8.6	173	7.9	194	8.7	204	9.1	189	8.4
Otero	247	10.5	252	10.4	237	10.5	179	8.1	178	8.1	168	7.8	104	4.8	147	6.9
Ouray	17	11.0	16	8.7	35	18.4	24	12.2	27	14.8	31	15.9	52	26.2	50	24.9
Park	27	12.2	23	7.1	38	7.0	46	7.6	31	5.0	28	4.6	34	5.6	31	5.1
Phillips	27	6.6	53	12.4	31	6.9	32	7.1	29	6.4	30	6.6	11	2.5	20	4.5
Pitkin	118	18.6	183	20.1	250	24.4	268	22.1	285	22.0	270	20.4	313	23.2	345	24.5
Prowers	212	15.9	144	10.4	156	12.0	129	9.1	131	9.5	140	10.2	141	10.2	134	10.1
Pueblo	1,339	11.3	1,210	9.6	1,289	10.2	1,045	8.2	994	7.7	1,014	7.8	944	7.1	972	7.3
Rio Blanco	49	10.1	60	11.5	69	10.9	64	10.7	61	10.6	50	8.8	43	7.9	45	8.7
Rio Grande	87	8.3	112	10.3	120	11.4	106	9.3	103	8.8	98	8.4	111	9.7	71	6.5
Routt	67	9.9	112	11.4	180	13.4	142	9.7	174	12.1	186	12.8	171	11.8	160	10.8
Saguache	19	5.0	29	7.0	20	5.1	25	6.4	12	3.0	21	5.1	15	3.8	21	5.5
San Juan	15	18.1	14	15.7	22	26.9	11	14.7	13	17.5	13	16.1	29	38.9	20	26.7
San Miguel	2	1.0	49	21.5	53	16.8	48	13.8	43	11.5	55	14.0	51	12.4	78	18.2

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	58	17.0	54	15.8	59	18.3	41	13.3	36	12.3	32	10.9	30	10.2	42	14.4
Summit	23	8.2	97	16.4	194	21.8	230	16.9	248	17.4	238	17.6	265	19.3	277	19.5
Teller	30	8.8	43	7.4	79	9.8	78	7.4	85	7.8	62	5.4	84	7.4	71	6.4
Washington	48	8.7	40	7.7	93	17.7	30	5.6	41	8.0	32	6.3	28	5.6	31	6.4
Weld	968	10.7	948	8.7	1,001	8.1	1,030	7.5	1,054	7.7	918	6.6	968	6.8	994	6.9
Yuma	76	8.9	77	8.7	68	7.0	50	5.0	36	3.7	63	6.6	70	7.2	62	6.6
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	668	11.0	677	10.7	778	12.0	532	8.1	497	7.9	511	8.1	504	7.9	508	8.1
2	1,977	10.9	2,165	9.5	2,640	9.6	2,828	9.2	2,844	9.1	2,651	8.3	2,769	8.6	2,841	8.7
3	14,092	11.2	15,473	10.7	19,589	12.0	19,073	10.4	18,620	10.0	17,879	9.6	17,412	9.4	17,548	9.4
4	2,875	11.8	3,517	11.6	4,513	13.9	4,974	12.9	4,954	12.5	4,893	11.9	4,743	11.5	4,780	11.5
5	158	8.4	175	8.8	247	11.7	161	6.9	166	7.2	169	7.2	192	7.9	172	7.1
6	579	10.7	537	9.7	515	10.0	406	7.8	404	7.9	403	8.0	340	6.6	369	7.3
7	1,339	11.3	1,210	9.6	1,289	10.2	1,045	8.2	994	7.7	1,014	7.8	944	7.1	972	7.3
8	377	10.0	416	10.6	396	10.5	369	9.3	339	8.3	312	7.6	310	7.7	280	7.1
9	448	11.9	492	11.2	681	13.6	693	12.3	619	11.2	679	12.5	679	12.6	657	12.0
10	518	11.5	544	10.5	778	12.5	577	8.7	510	7.7	636	9.6	630	9.4	677	10.1
11	906	11.2	1,096	11.5	1,684	13.5	1,399	10.6	1,175	9.1	1,189	9.2	1,256	9.6	1,341	9.9
12	316	10.6	572	13.1	962	17.4	959	13.7	1,093	15.2	1,024	14.3	1,088	15.0	1,180	15.8
13	499	11.9	513	10.6	649	12.4	447	8.7	472	9.3	450	8.9	443	8.8	477	9.4
14	248	11.1	178	7.9	196	9.2	149	6.9	124	5.8	121	5.6	128	6.0	132	6.3
METRO/NON-METRO:																
Denver PMSA	12,589	11.3	13,590	10.7	17,024	11.8	16,464	10.2	16,150	9.9	15,486	9.5	14,985	9.2	15,081	9.3
Denver CMSA	13,980	11.2	15,365	10.7	19,460	11.9	18,976	10.4	18,521	10.1	17,777	9.6	17,304	9.4	17,438	9.4
Total Metro	20,114	11.3	22,191	10.6	27,785	11.9	27,699	10.6	27,197	10.2	26,245	9.7	25,642	9.5	25,929	9.6
Non-Metro	4,886	11.1	5,374	10.7	7,132	12.6	5,913	9.8	5,614	9.4	5,686	9.5	5,796	9.6	6,005	9.9
FIVE-REGION SUBSTATE GROUPS:																
Front Range	20,114	11.3	22,191	10.6	27,785	11.9	27,699	10.6	27,197	10.2	26,245	9.7	25,642	9.5	25,929	9.6
Western Slope	2,188	11.3	2,704	11.5	4,105	14.0	3,628	11.2	3,397	10.5	3,528	11.0	3,653	11.3	3,855	11.6
Eastern Plains	1,405	10.5	1,389	10.0	1,540	11.2	1,099	7.8	1,067	7.8	1,083	7.9	1,036	7.4	1,049	7.6
San Luis Valley	377	10.0	416	10.6	396	10.5	369	9.3	339	8.3	312	7.6	310	7.7	280	7.1
Eastern Mtns	916	12.0	865	9.8	1,091	11.3	817	8.2	811	8.1	763	7.6	797	8.1	821	8.3
POPULATION-BASED REGIONS:																
1 Denver	7,763	15.0	7,576	15.1	7,645	15.5	6,422	12.6	6,059	11.8	5,494	10.7	4,966	9.9	4,829	9.7
2 Jefferson	1,968	8.3	2,372	7.5	3,303	8.8	3,427	8.3	3,349	8.0	3,370	8.0	3,288	7.8	3,381	8.0
3 Boulder	1,391	10.4	1,775	10.6	2,436	12.8	2,512	11.9	2,371	11.1	2,291	10.6	2,319	10.5	2,357	10.5
4 Adams	1,118	6.0	1,542	7.0	1,945	7.9	2,079	7.7	2,147	8.0	2,158	8.0	2,161	8.0	2,073	7.8
5 Arapahoe	1,540	9.4	1,929	8.8	3,901	13.1	4,274	11.3	4,315	11.2	4,161	10.8	4,270	11.1	4,442	11.5
6 El Paso	2,818	11.8	3,451	11.7	4,396	14.1	4,850	13.1	4,838	12.7	4,803	12.2	4,625	11.7	4,678	11.8
7 Larimer	1,009	11.0	1,217	10.1	1,639	10.9	1,798	10.6	1,790	10.3	1,733	9.7	1,801	10.0	1,847	10.1
8 Pueblo	1,339	11.3	1,210	9.6	1,289	10.2	1,045	8.2	994	7.7	1,014	7.8	944	7.1	972	7.3
9 Weld	968	10.7	948	8.7	1,001	8.1	1,030	7.5	1,054	7.7	918	6.6	968	6.8	994	6.9
10 Northwest Reg	906	11.2	1,096	11.5	1,684	13.5	1,399	10.6	1,175	9.1	1,189	9.2	1,256	9.6	1,341	9.9
11 Western Reg	834	11.1	1,116	11.7	1,740	14.8	1,536	11.3	1,603	11.6	1,660	12.0	1,718	12.4	1,857	13.1
12 Eastern Reg	1,405	10.5	1,389	10.0	1,540	11.2	1,099	7.8	1,067	7.8	1,083	7.9	1,036	7.4	1,049	7.6
13 Central Reg	868	13.9	858	10.7	1,125	11.1	930	8.1	967	8.1	945	7.7	969	7.8	1,045	8.2
14 Southern Reg	1,073	11.0	1,086	10.3	1,273	11.7	1,211	10.3	1,082	9.2	1,112	9.5	1,117	9.7	1,069	9.3

Data are for marriage license applications obtained in Colorado by county and region without regard to place of residency. Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. See inside back cover for descriptions of regions.

Table 121. Marriage Dissolutions and Marriage Dissolution Rates by County and Region: Colorado Occurrences, 1970, 1975, 1980, 1985-89

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Colorado	10,400	4.7	15,733	6.1	18,571	6.4	18,778	5.8	18,951	5.8	18,590	5.6	18,651	5.7	18,686	5.6
Adams	666	3.6	1,267	5.8	1,346	5.4	1,266	4.7	1,281	4.8	1,259	4.7	1,431	5.3	1,470	5.5
Alamosa	38	3.3	87	7.1	128	10.8	83	6.7	107	8.4	91	7.2	102	7.9	74	5.8
Arapahoe	894	5.5	1,452	6.6	1,722	5.8	2,039	5.4	2,326	6.0	2,062	5.3	2,159	5.6	2,330	6.0
Archuleta	7	2.6	11	3.7	18	4.9	30	5.8	42	7.9	47	8.9	30	6.0	31	6.0
Baca	31	5.5	17	3.0	25	4.7	18	3.8	16	3.6	20	4.5	28	6.1	21	4.7
Bent	12	1.8	24	3.7	19	3.2	19	3.3	19	3.3	18	3.3	16	2.9	5	1.0
Boulder	710	5.3	1,125	6.7	1,194	6.3	1,215	5.8	1,380	6.5	1,414	6.5	1,386	6.3	1,440	6.4
Chaffee	54	5.2	82	6.8	106	8.0	90	7.4	129	10.5	121	9.8	88	7.2	97	7.8
Cheyenne	6	2.5	6	2.7	3	1.4	10	4.1	8	3.4	9	3.9	18	7.4	13	5.0
Clear Creek	19	3.8	16	2.6	48	6.6	29	3.8	31	3.9	33	4.4	31	4.2	35	4.8
Conejos	14	1.8	12	1.5	12	1.5	14	1.8	22	2.7	16	1.9	4	0.5	1	0.1
Costilla	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crowley	10	3.2	13	3.9	9	3.0	9	2.8	4	1.2	4	1.2	4	0.9	0	0.0
Custer	2	1.8	2	1.7	5	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Delta	0	0.0	94	5.3	118	5.5	133	5.6	116	5.1	112	5.0	112	5.0	120	5.4
Denver	3,292	6.4	3,738	7.5	3,567	7.2	3,633	7.1	3,447	6.7	3,236	6.3	2,927	5.8	2,680	5.4
Dolores	0	0.0	1	0.6	3	1.8	6	3.9	2	1.3	3	2.0	4	2.5	10	6.4
Douglas	25	2.9	39	2.6	109	4.3	161	4.4	191	4.6	191	4.4	247	5.3	223	4.5
Eagle	5	0.6	48	4.5	72	5.4	80	4.4	76	4.0	100	5.2	87	4.4	102	4.8
Elbert	4	1.0	5	1.0	19	2.8	6	0.7	0	0.0	6	0.7	21	2.2	10	1.0
El Paso	1,272	5.3	1,736	5.9	2,393	7.7	2,562	6.9	2,572	6.8	2,668	6.8	2,615	6.6	2,860	7.2
Fremont	77	3.5	52	2.0	216	7.5	228	7.5	196	6.6	223	7.4	192	6.4	183	6.1
Garfield	63	4.2	124	6.7	181	7.9	197	7.8	174	6.8	155	6.1	151	5.7	178	6.4
Gilpin	10	7.7	11	5.9	5	2.1	13	4.8	9	3.2	10	3.6	12	4.5	14	5.5
Grand	11	2.6	34	5.2	33	4.4	48	5.0	43	4.5	37	3.9	50	5.5	46	5.2
Gunnison	16	2.1	37	4.0	73	6.8	52	4.7	51	4.3	51	4.3	33	2.7	45	3.8
Hinsdale	0	0.0	4	11.5	0	0.0	3	8.1	3	8.3	6	15.7	0	0.0	2	5.9
Huerfano	13	2.0	20	3.0	26	4.1	36	5.0	24	3.3	18	2.5	18	2.6	20	2.9
Jackson	3	1.6	5	2.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	960	4.0	1,824	5.8	2,542	6.8	2,375	5.7	2,339	5.6	2,371	5.6	2,584	6.1	2,639	6.2
Kiowa	4	2.0	1	0.5	5	2.6	5	2.7	2	1.1	4	2.2	5	2.9	3	1.7
Kit Carson	9	1.2	33	4.3	36	4.8	25	3.2	27	3.5	11	1.5	20	2.6	12	1.6
Lake	23	2.8	56	6.5	75	8.5	32	4.6	40	6.0	34	5.4	23	3.9	50	8.1
La Plata	82	4.2	132	5.6	182	6.7	213	6.9	249	8.3	192	6.4	181	6.0	197	6.4
Larimer	343	3.8	844	7.0	908	6.1	939	5.5	914	5.2	940	5.3	1,011	5.6	953	5.2
Las Animas	45	2.8	57	3.6	76	5.1	76	5.3	66	4.7	45	3.1	77	5.4	72	5.1
Lincoln	11	2.3	13	2.6	19	4.1	26	5.6	25	5.6	37	8.2	22	4.8	20	4.3
Logan	55	2.9	71	3.7	87	4.4	89	4.5	95	5.0	83	4.4	93	4.9	90	4.7
Mesa	303	5.6	475	7.5	663	8.0	594	6.7	535	6.2	532	6.2	595	6.7	534	5.8
Mineral	2	2.5	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Moffat	9	1.4	48	6.0	111	8.4	83	6.6	77	6.5	49	4.4	74	6.8	66	6.3
Montezuma	61	4.7	80	5.3	136	8.2	102	5.7	107	6.2	143	8.6	99	6.1	84	5.1
Montrose	74	4.0	122	5.9	151	6.2	162	6.3	160	6.4	183	7.2	156	6.0	165	6.2
Morgan	62	3.1	100	4.6	150	6.7	130	5.7	120	5.5	109	4.9	130	5.8	101	4.5
Otero	81	3.5	183	7.6	132	5.9	126	5.7	131	6.0	132	6.1	120	5.6	124	5.8
Ouray	0	0.0	7	3.8	7	3.7	11	5.6	8	4.4	5	2.6	7	3.5	9	4.5
Park	0	0.0	3	0.9	16	3.0	22	3.6	34	5.5	27	4.4	31	5.2	24	4.0
Phillips	7	1.7	17	4.0	19	4.2	19	4.2	16	3.5	14	3.1	7	1.6	18	4.1
Pitkin	21	3.3	82	9.0	80	7.8	97	8.0	61	4.7	80	6.0	71	5.3	80	5.7
Prowers	38	2.9	90	6.5	77	5.9	87	6.2	93	6.7	76	5.6	70	5.1	59	4.4
Pueblo	586	4.9	687	5.4	750	6.0	637	5.0	630	4.9	661	5.1	598	4.5	523	3.9
Rio Blanco	7	1.4	22	4.2	39	6.2	46	7.7	49	8.5	40	7.1	32	5.9	28	5.4
Rio Grande	29	2.8	33	3.0	36	3.4	48	4.2	44	3.7	54	4.6	55	4.8	51	4.7
Routt	12	1.8	76	7.8	95	7.1	82	5.6	72	5.0	91	6.3	97	6.7	74	5.0
Saguache	5	1.3	5	1.2	9	2.3	14	3.6	15	3.7	13	3.2	23	5.9	17	4.5
San Juan	0	0.0	4	4.5	4	4.9	5	6.7	9	12.1	5	6.2	2	2.7	2	2.7
San Miguel	2	1.0	10	4.4	13	4.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

PLACE	1970		1975		1980		1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Sedgwick	12	3.5	4	1.2	7	2.2	14	4.5	12	4.1	10	3.4	16	5.4	9	3.1
Summit	5	1.8	51	8.6	57	6.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Teller	0	0.0	6	1.0	23	2.8	34	3.2	33	3.0	27	2.4	31	2.7	26	2.3
Washington	7	1.3	13	2.5	18	3.4	17	3.2	23	4.5	18	3.5	29	5.8	12	2.5
Weld	274	3.0	504	4.6	564	4.6	639	4.7	662	4.8	659	4.7	585	4.1	610	4.3
Yuma	17	2.0	17	1.9	33	3.4	49	4.9	34	3.5	35	3.7	41	4.2	24	2.6
PLANNING AND MANAGEMENT REGIONS:																
PMR 1	160	2.6	222	3.5	314	4.8	318	4.9	300	4.7	269	4.3	316	5.0	254	4.0
2	617	3.4	1,348	5.9	1,472	5.4	1,578	5.1	1,576	5.1	1,599	5.0	1,596	5.0	1,563	4.8
3	6,576	5.2	9,472	6.6	10,533	6.4	10,731	5.9	11,004	5.9	10,576	5.7	10,777	5.8	10,831	5.8
4	1,272	5.2	1,745	5.8	2,432	7.5	2,618	6.8	2,639	6.6	2,722	6.6	2,677	6.5	2,910	7.0
5	30	1.6	57	2.9	77	3.6	67	2.9	60	2.6	63	2.7	81	3.3	55	2.3
6	176	3.3	328	5.9	267	5.2	264	5.1	265	5.2	254	5.1	243	4.7	212	4.2
7	586	4.9	687	5.4	750	6.0	637	5.0	630	4.9	661	5.1	598	4.5	523	3.9
8	88	2.3	138	3.5	186	4.9	159	4.0	188	4.6	174	4.3	184	4.6	143	3.6
9	150	4.0	228	5.2	343	6.9	356	6.3	409	7.4	390	7.2	316	5.9	324	5.9
10	92	2.0	274	5.3	362	5.8	361	5.4	338	5.1	357	5.4	308	4.6	341	5.1
11	382	4.7	669	7.0	994	8.0	920	7.0	835	6.5	776	6.0	852	6.5	806	6.0
12	57	1.9	296	6.8	337	6.1	307	4.4	252	3.5	308	4.3	305	4.2	302	4.0
13	156	3.7	192	4.0	402	7.7	350	6.8	365	7.2	378	7.5	303	6.0	330	6.5
14	58	2.6	77	3.4	102	4.8	112	5.2	90	4.2	63	2.9	95	4.5	92	4.4
METRO/NON-METRO:																
Denver PMSA	5,837	5.2	8,320	6.6	9,286	6.5	9,474	5.9	9,584	5.9	9,119	5.6	9,348	5.8	9,342	5.7
Denver CMSA	6,547	5.2	9,445	6.6	10,480	6.4	10,689	5.9	10,964	6.0	10,533	5.7	10,734	5.8	10,782	5.8
Total Metro	9,022	5.0	13,216	6.3	15,095	6.4	15,466	5.9	15,742	5.9	15,461	5.7	15,543	5.8	15,728	5.8
Non-Metro	1,378	3.1	2,517	5.0	3,476	6.2	3,312	5.5	3,209	5.3	3,129	5.2	3,108	5.2	2,958	4.9
FIVE-REGION SUBSTATE GROUPS:																
Front Range	9,022	5.0	13,216	6.3	15,095	6.4	15,466	5.9	15,742	5.9	15,461	5.7	15,543	5.8	15,728	5.8
Western Slope	681	3.5	1,467	6.2	2,036	7.0	1,944	6.0	1,834	5.7	1,831	5.7	1,781	5.5	1,773	5.3
Eastern Plains	366	2.7	607	4.4	658	4.8	649	4.6	625	4.6	586	4.3	640	4.6	521	3.8
San Luis Valley	88	2.3	138	3.5	186	4.9	159	4.0	188	4.6	174	4.3	184	4.6	143	3.6
Eastern Mtns	243	3.2	305	3.5	596	6.2	560	5.6	562	5.6	538	5.4	503	5.1	521	5.3
POPULATION-BASED REGIONS:																
1 Denver	3,292	6.4	3,738	7.5	3,567	7.2	3,633	7.1	3,447	6.7	3,236	6.3	2,927	5.8	2,680	5.4
2 Jefferson	960	4.0	1,824	5.8	2,542	6.8	2,375	5.7	2,339	5.6	2,371	5.6	2,584	6.1	2,639	6.2
3 Boulder	710	5.3	1,125	6.7	1,194	6.3	1,215	5.8	1,380	6.5	1,414	6.5	1,386	6.3	1,440	6.4
4 Adams	666	3.6	1,267	5.8	1,346	5.4	1,266	4.7	1,281	4.8	1,259	4.7	1,431	5.3	1,470	5.5
5 Arapahoe	894	5.5	1,452	6.6	1,722	5.8	2,039	5.4	2,326	6.0	2,062	5.3	2,159	5.6	2,330	6.0
6 El Paso	1,272	5.3	1,736	5.9	2,393	7.7	2,562	6.9	2,572	6.8	2,668	6.8	2,615	6.6	2,860	7.2
7 Larimer	343	3.8	844	7.0	908	6.1	939	5.5	914	5.2	940	5.3	1,011	5.6	[illegible]	5.2
8 Pueblo	586	4.9	687	5.4	750	6.0	637	5.0	630	4.9	661	5.1	598	4.5	[illegible]	3.9
9 Weld	274	3.0	504	4.6	564	4.6	639	4.7	662	4.8	659	4.7	585	4.1	610	4.3
10 Northwest Reg	382	4.7	669	7.0	994	8.0	920	7.0	835	6.5	776	6.0	852	6.5	806	6.0
11 Western Reg	149	2.0	570	6.0	699	6.0	668	4.9	590	4.3	665	4.8	613	4.4	643	4.5
12 Eastern Reg	366	2.7	607	4.4	658	4.8	649	4.6	625	4.6	586	4.3	640	4.6	521	3.8
13 Central Reg	210	3.4	267	3.3	603	6.0	609	5.3	663	5.5	666	5.5	655	5.3	652	5.1
14 Southern Reg	296	3.0	443	4.2	631	5.8	627	5.3	687	5.9	627	5.4	595	5.2	559	4.9

Counts and rates for 1989 are estimated. Marriage dissolutions include divorces and annulments. Rates are per 1,000 population. Rates based on few actual cases must be viewed with caution. Counts for some counties are estimates for 1989. See inside back cover for descriptions of rates.

Part Eight. Adoptions, Legitimations, Paternity Adjudications

Number of Adoptions, Legitimations and Paternity Adjudications

A total of 3,719 adoptions, legitimations and paternity adjudications were processed by the Health Statistics and Vital Records Division in 1989. Table 122 presents counts of these events in a variety of ways for the years 1979 through 1989.

These data are compiled by year processed by the division, which may differ from the year in which the actual decree was made. Table 123 shows year of decree for adoptions processed in 1989.

Adoptions

Adoption is the legal acquisition of the rights and responsibilities of parenthood by persons other than the natural parents. Adoptions of all types processed in 1989 totaled 2,474. Stepparent adoptions accounted for 1,440 or 58.2 percent of this total.

Excluding stepparent adoptions, 1,034 adoptions were processed in 1989. Of these, 890 were both-parent adoptions, 36.0 percent of total. Relative adoptions totaled 77 and single-parent adoptions totaled 67.

Of the 1,034 non-stepparent adoptees in 1989, 812 were adopted in Colorado and 222 were adopted out of state. Of the 885 adoptees who were born in Colorado, 663 were adopted in the state and 222 adopted elsewhere. Adoptees born out of state but adopted in Colorado totaled 149.

These counts include only those adoptions for which adoptees were born in the United States. A total 232 foreign-born adoptions of all types were processed in 1989.

Legitimations

Legitimation is the result of the intermarriage of the natural parents following the birth of a child in which paternal information is added to the birth record by mutual consent. A total of 107 legitimations were processed in 1989, the fewest of any year since the data system started in 1979.

Paternity Adjudications

Paternity adjudication is the determination of paternity by a district or juvenile court. Paternity adjudications processed totaled 1,138 in 1989, the most ever. A large portion of the annual variation in counts of legitimations and paternity adjudications results from administrative policy in processing these records.

Sex of Adoptee

Sex of adoptee differs somewhat by adoption type and age of adoptee. For all adoptions processed in 1989, 51.3 percent were to males and 48.7 percent were to females. Among both-parent adoptions, males accounted for 54.3 percent of adoptees and females 45.7 percent. Slightly greater numbers of males than females in young populations do not explain this discrepancy.

Males accounted for 55.2 percent of adoptees younger than 5 years of age in both-parent adoptions, 52.2 percent of adoptees aged 5-9, 50.0 percent of adoptees aged 10-14 and 71.4 percent of the 14 adoptees aged 15-19.

In contrast, females represented 51.1 percent of adoptees in stepparent adoptions. In stepparent adoptions with adoptees younger than 5 years, females made up 58.1 percent of adoptees.

Age of Adoptee

Age of adoptee varies by adoption type. Nearly three-fourths of both-parent adoptions were to children younger than 5 years. Stepparent, single-parent and relative adoptions were more frequent among older children. Table 124 shows adoptions by age and sex of adoptee.

Infants (< 1 year old) accounted for 375 of the 890 both-parent adoptions processed in 1989, 42.1 percent of total. Adoptees aged 1 year made up 12.9 percent of both-parent adoptions, 2-year-olds made up 6.9 percent, and 3-year-olds made up 6.0 percent. There was no difference in age distribution by sex of adoptee.

About one-in-four single-parent adoptions were to children younger than 5 years, 4.5 percent of whom were to infants. Ages 5-9 accounted for 37.3 percent and ages

10-14 accounted for 22.4 percent. Four single-parent adoptions were to adoptees aged 20 years and older. Age distribution of relative adoptions closely paralleled that of single-parent adoptions.

Greater proportions (43.3 percent) of stepparent adoptions were to children aged 5-9. Ten- to fourteen-year-olds made up 29.3 percent of stepparent adoptions.

Race of Adoptee

Whites accounted for 2,298 or 92.9 percent of adoptees in the 2,474 total adoptions processed in 1989. Black adoptees totaled 113 and native American adoptees totaled 22. Adoptees of other races accounted for 26. Adoptees' race was not stated for 15 adoptions.

Higher proportions of black adoptees occurred among single-parent adoptions than both-parent, relative or stepparent adoptions. Twelve of sixty-seven single-parent adoptees were black.

Among other events, blacks accounted for 10.3 percent of legitimations and 21.5 percent of paternity adjudications. Higher rates of births to unmarried women among blacks than whites perhaps account for these relatively high proportions.

Table 125 presents number of adoptions, legitimations and paternity adjudications processed in 1989 by race of adoptee and age of natural mother. Table 126 compares races of adoptee, natural mother and adoptive mother.

Age of Natural Mother

Of the 890 both-parent adoptions processed in 1989, one-third (34.3 percent) were to adoptees whose natural mothers were in their teens. Eleven percent of Colorado resident live births in 1989 were to teen mothers.

Natural mothers in adoptions were younger than mothers in total live births, especially so for legitimations (38.8 percent to teen mothers) and paternity adjudications (40.7 percent to teen mothers).

Size of Adoptive Family

Size of adoptive family was reported for 1,591 of the total 2,474 adoptions processed in 1989. Of those both-parent adoptions in which size of adoptive family size was reported, nearly half (47.3 percent) reported no other children. About three in ten (26.8 percent) reported one other child, and 13 percent reported two other children. Thirteen percent of both-parent adoptions had three or more other children reported.

A greater proportion of stepparent adoptions involved families with at least one other child. About four in ten stepparent adoptions were in families with one other child, compared to three in ten with no other children.

Table 127 shows events by reported size of adoptive family for adoptions, legitimations and paternity adjudications processed in 1989.

State of Birth/State of Adoption

Table 128 presents state of birth for adoptions in Colorado and state of adoption for Colorado-born adoptees for events processed in 1989.

Colorado births accounted for 1,332 of the total 1,838 Colorado adoptions of all types, 72.4 percent. About one-fourth of Colorado adoptions, therefore, were to adoptees born in other states. No one state predominated. California was the place of birth for 69 adoptees, Utah 50, Texas 39, Washington 24, and New Mexico 23.

Of the total 1,968 Colorado-born adoptees for whom adoptions of all types were processed in 1989, 1,332 (67.7 percent) were also adopted in Colorado. Among other states, 53 Colorado-born adoptees were adopted in California, 45 in Texas, 35 in Kansas, and 34 in Arizona.

Table 122. Adoptions, Legitimations, and Adjudications Processed in Colorado, 1979-1989

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
TOTAL PROCESSED IN COLORADO:											
Total	3,532	3,245	4,150	3,531	3,636	3,561	3,250	4,007	3,780	3,089	3,719
Both Parent Adoption	649	666	846	692	744	850	661	924	883	747	890
Single Parent Adoption	45	54	50	51	61	44	51	73	68	73	67
Relative Adoption	95	100	158	65	74	50	36	102	67	43	77
Stepparent Adoption	2,184	1,841	2,395	2,022	1,902	1,881	1,513	1,654	1,421	1,277	1,440
Legitimation	559	564	620	649	741	571	490	533	560	418	107
Paternity Adjudication	-	20	81	52	114	165	499	721	781	531	1,138
TOTAL ADOPTED IN COLORADO:											
Total	2,983	2,660	3,253	2,896	2,946	2,860	2,653	3,262	3,155	2,504	3,037
Both Parent Adoption	533	546	661	549	559	654	489	716	718	581	713
Single Parent Adoption	40	48	46	44	55	33	41	53	52	58	56
Relative Adoption	67	66	113	43	50	39	24	67	43	21	43
Stepparent Adoption	1,784	1,418	1,743	1,569	1,434	1,406	1,124	1,200	1,026	916	1,026
Legitimation	559	564	620	649	741	571	490	533	560	418	107
Paternity Adjudication	-	18	70	42	107	157	485	693	756	510	1,092
TOTAL BORN IN COLORADO:											
Total	2,586	2,423	3,354	2,699	2,892	2,819	2,640	3,381	3,190	2,642	3,199
Both Parent Adoption	546	547	741	581	632	712	545	797	745	673	772
Single Parent Adoption	31	37	33	33	37	30	42	59	48	52	51
Stepparent Adoption	1,370	1,171	1,748	1,335	1,309	1,306	1,050	1,199	1,017	937	1,083
Relative Adoption	80	84	131	49	59	35	29	93	47	39	62
Legitimation	559	564	620	649	741	571	490	533	560	418	107
Paternity Adjudication	-	20	81	52	114	165	484	700	773	523	1,124
BORN IN COLORADO/ADOPTED IN COLORADO:											
Total	2,037	1,838	2,457	2,064	2,202	2,118	2,043	2,636	2,565	2,057	2,517
Both Parent Adoption	430	427	556	438	447	516	373	589	580	507	595
Single Parent Adoption	26	31	29	26	31	19	32	39	32	37	40
Relative Adoption	52	50	86	27	35	24	17	58	23	17	28
Stepparent Adoption	970	748	1,096	882	841	831	661	745	622	576	669
Legitimation	559	564	620	649	741	571	490	533	560	418	107
Paternity Adjudication	-	18	70	42	107	157	470	672	748	502	1,078
BORN IN COLORADO/ADOPTED OUT-OF-STATE:											
Total	549	585	897	635	690	701	597	745	625	585	682
Both Parent Adoption	116	120	185	143	185	196	172	208	165	166	177
Single Parent Adoption	5	6	4	7	6	11	10	20	16	15	11
Relative Adoption	28	34	45	22	24	11	12	35	24	22	34
Stepparent Adoption	400	423	652	453	468	475	389	454	395	361	414
Legitimation	0	0	0	0	0	0	0	0	0	0	0
Paternity Adjudication	-	2	11	10	7	8	14	28	25	21	46
BORN OUT-OF-STATE/ADOPTED IN COLORADO:											
Total	946	822	796	832	744	742	610	626	590	447	520
Both Parent Adoption	103	119	105	111	112	138	116	127	138	74	118
Single Parent Adoption	14	17	17	18	24	14	9	14	20	21	16
Relative Adoption	15	16	27	16	15	15	7	9	20	4	15
Stepparent Adoption	814	670	647	687	593	575	463	455	404	340	357
Legitimation	0	0	0	0	0	0	0	0	0	0	0
Paternity Adjudication	-	0	0	0	0	0	15	21	8	8	14

Paternity adjudications not included for 1979 and incomplete for 1982. Foreign-born adoptions are not included here. Data are compiled by year adoption was processed by vital records offices, which may not be the year of decree.

Table 123. Adoptions Processed in Colorado in 1989 by Year of Decree

YEAR OF DECREE	TOTAL ADOPTIONS		BOTH PARENT ADOPTIONS		SINGLE PARENT ADOPTIONS		RELATIVE ADOPTIONS		STEPPARENT ADOPTIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Total	2,474	100.0	890	100.0	67	100.0	77	100.0	1,440	100.0
Before 1970	17	0.7	12	1.3	1	1.5	0	0.0	4	0.3
1970-74	1	0.0	0	0.0	0	0.0	1	1.3	0	0.0
1975-79	3	0.1	1	0.1	0	0.0	0	0.0	2	0.1
1980-84	10	0.4	3	0.3	0	0.0	0	0.0	7	0.5
1985	3	0.1	2	0.2	1	1.5	0	0.0	0	0.0
1986	2	0.1	1	0.1	0	0.0	1	1.3	0	0.0
1987	13	0.5	4	0.4	2	3.0	0	0.0	7	0.5
1988	373	15.1	127	14.3	12	17.9	11	14.3	223	15.5
1989	2,052	82.9	740	83.1	51	76.1	64	83.1	1,197	83.1

Foreign-Born Adoptions

As previously noted, counts include only those adoptions for whom adoptees were born in the United States. In addition, 232 foreign-born adoptions were processed in Colorado in 1989.

Adoptees born in South Korea accounted for nearly half of foreign-born adoptions, 108 of the total. Adoptees born in India totaled 38, the Philippines 17, Germany 15, Mexico 14, and Guatemala 5.

Foreign-born adoptees tended to be younger than those born in the United States. Of the total 232 foreign-born adoptees, 40 were infants, 65 were 1 year old, 24 were 2 years old, 12 were 3 years old, and 9 were 4 years old. Forty-three were aged 5-9, 22 were aged 10-14, 13 were aged 15-19, and 4 were aged 20 and older.

The greatest age differences appeared among foreign-born adoptees aged 1 year. One-year-olds accounted for 28.0 percent of foreign-born adoptees, compared to only 5.7 percent of U.S. born adoptees.

Adoptions, Legitimations and Paternity Adjudications by County and Region

Table 129 shows adoptions, legitimations and paternity adjudications processed in Colorado in 1989 by county and region of birth. Adoptions are described by type.

Table 124. Type of Adoption by Age of Adoptee: Colorado, 1989

TYPE OF ADOPTION	SEX	TOTAL PROCESSED	<1	1	2	3	4	5-9	10-14	15-19	20+	NOT STATED
PROCESSED IN COLORADO:												
Total	Total	2,474	389	142	111	137	154	833	517	138	52	1
	Male	1,268	211	68	58	79	63	437	272	63	17	0
	Female	1,206	178	74	53	58	91	396	245	75	35	1
Both-Parent Adoption	Total	890	375	115	61	53	43	157	62	14	9	1
	Male	483	205	57	32	40	23	82	31	10	3	0
	Female	407	170	58	29	13	20	75	31	4	6	1
Single-Parent Adoption	Total	67	3	2	5	4	2	25	15	7	4	0
	Male	37	1	1	3	2	1	15	9	4	1	0
	Female	30	2	1	2	2	1	10	6	3	3	0
Relative Adoption	Total	77	4	4	2	9	3	28	18	7	2	0
	Male	44	2	2	1	5	0	18	12	4	0	0
	Female	33	2	2	1	4	3	10	6	3	2	0
Stepparent Adoptions	Total	1,440	7	21	43	71	106	623	422	110	37	0
	Male	704	3	8	22	32	39	322	220	45	13	0
	Female	736	4	13	21	39	67	301	202	65	24	0
BORN IN COLORADO:												
Total	Total	1,968	356	124	97	111	125	660	369	88	37	1
	Male	1,000	195	61	51	67	52	341	187	36	10	0
	Female	968	161	63	46	44	73	319	182	52	27	1
Both-Parent Adoption	Total	772	345	101	55	48	36	128	44	10	4	1
	Male	422	192	52	29	36	18	69	18	7	1	0
	Female	350	153	49	26	12	18	59	26	3	3	1
Single-Parent Adoption	Total	51	3	2	5	4	2	20	7	5	3	0
	Male	27	1	1	3	2	1	14	3	2	0	0
	Female	24	2	1	2	2	1	6	4	3	3	0
Relative Adoption	Total	62	3	3	2	7	2	26	13	4	2	0
	Male	38	1	2	1	5	0	17	11	1	0	0
	Female	24	2	1	1	2	2	9	2	3	2	0
Stepparent Adoptions	Total	1,083	5	18	35	52	85	486	305	69	28	0
	Male	513	1	6	18	24	33	241	155	26	9	0
	Female	570	4	12	17	28	52	245	150	43	19	0
ADOPTED IN COLORADO:												
Total	Total	1,838	346	101	90	108	112	592	364	96	28	1
	Male	966	188	48	47	69	46	320	195	43	10	0
	Female	872	158	53	43	39	66	272	169	53	18	1
Both-Parent Adoption	Total	713	335	82	53	42	27	115	43	10	5	1
	Male	390	183	40	28	34	14	60	22	7	2	0
	Female	323	152	42	25	8	13	55	21	3	3	1
Single-Parent Adoption	Total	56	3	2	4	3	2	21	14	4	3	0
	Male	30	1	1	2	1	1	12	8	3	1	0
	Female	26	2	1	2	2	1	9	6	1	2	0
Relative Adoption	Total	43	2	1	0	7	2	15	11	4	1	0
	Male	24	1	0	0	4	0	10	6	3	0	0
	Female	19	1	1	0	3	2	5	5	1	1	0
Stepparent Adoptions	Total	1,026	6	16	33	56	81	441	296	78	19	0
	Male	522	3	7	17	30	31	238	159	30	7	0
	Female	504	3	9	16	26	50	203	137	48	12	0

Table 125. Adoptions, Legitimations and Paternity Adjudications by Race of Adoptee and Age of Natural Mother at Birth for Events Processed in Colorado, 1989

TYPE OF ADOPTION	RACE	TOTAL PROCESSED	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
Total Adoptions, Legitimations and Paternity Adjudications	Total	3,719	17	1,105	1,216	591	178	67	12	0	533
	White	3,266	14	968	1,091	500	152	54	11	0	476
	Black	369	3	116	107	76	20	11	1	0	35
	Native American	35	0	11	10	8	3	2	0	0	1
	Other	33	0	10	5	5	2	0	0	0	11
	Not Stated	16	0	0	3	2	1	0	0	0	10
Total Adoptions	Total	2,474	13	612	819	371	105	32	7	0	515
	White	2,298	12	582	774	336	96	28	7	0	463
	Black	113	1	19	32	21	4	3	0	0	33
	Native American	22	0	5	6	7	3	1	0	0	0
	Other	26	0	6	4	5	1	0	0	0	10
	Not Stated	15	0	0	3	2	1	0	0	0	9
Both-Parent Adoption	Total	890	12	293	273	118	48	18	4	0	124
	White	794	11	274	245	96	41	15	4	0	108
	Black	65	1	11	24	14	4	2	0	0	9
	Native American	16	0	4	2	6	3	1	0	0	0
	Other	10	0	4	0	1	0	0	0	0	5
	Not Stated	5	0	0	2	1	0	0	0	0	2
Single-Parent Adoption	Total	67	1	12	18	12	3	4	1	0	16
	White	53	1	10	15	8	2	3	1	0	13
	Black	12	0	2	3	3	0	1	0	0	3
	Native American	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0
	Not Stated	2	0	0	0	1	1	0	0	0	0
Relative Adoption	Total	77	0	23	27	11	1	0	0	0	15
	White	72	0	22	26	8	1	0	0	0	15
	Black	2	0	0	0	2	0	0	0	0	0
	Native American	3	0	1	1	1	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0
	Not Stated	0	0	0	0	0	0	0	0	0	0
Stepparent Adoption	Total	1,440	0	284	501	230	53	10	2	0	360
	White	1,379	0	276	488	224	52	10	2	0	327
	Black	34	0	6	5	2	0	0	0	0	21
	Native American	3	0	0	3	0	0	0	0	0	0
	Other	16	0	2	4	4	1	0	0	0	5
	Not Stated	8	0	0	1	0	0	0	0	0	7
Legitimation	Total	107	0	40	41	17	2	3	0	0	4
	White	92	0	34	36	15	2	2	0	0	3
	Black	11	0	4	5	2	0	0	0	0	0
	Native American	2	0	0	0	0	0	1	0	0	1
	Other	2	0	2	0	0	0	0	0	0	0
	Not Stated	0	0	0	0	0	0	0	0	0	0
Paternity Adjudication	Total	1,138	4	453	356	203	71	32	5	0	14
	White	876	2	352	281	149	54	24	4	0	10
	Black	245	2	93	70	53	16	8	1	0	2
	Native American	11	0	6	4	1	0	0	0	0	0
	Other	5	0	2	1	0	1	0	0	0	1
	Not Stated	1	0	0	0	0	0	0	0	0	1

Table 126. Adoptions, Legitimations and Paternity Adjudications by Race of Adoptee, Race of Natural Mother and Race of Adoptive Mother for Events Processed in Colorado, 1989

			RACE OF NATURAL MOTHER					RACE OF ADOPTIVE MOTHER				
TYPE OF ADOPTION	RACE	TOTAL PROCESSED	WHITE	BLACK	NATIVE AMERICAN	OTHER	UNKNOWN/ NOT STATED	WHITE	BLACK	NATIVE AMERICAN	OTHER	UNKNOWN/ NOT STATED
Total Adoptions, Legitimations and Paternity Adjudications	Total	3,719	2,804	261	13	21	620	3,177	276	14	8	244
	White	3,266	2,710	8	4	4	540	3,040	11	5	5	205
	Black	369	76	253	2	0	38	92	265	2	0	10
	Native American	35	13	0	7	2	13	24	0	7	0	4
	Other	33	3	0	0	15	15	15	0	0	3	15
	Not Stated	16	2	0	0	0	14	6	0	0	0	10
Total Adoptions	Total	2,474	1,808	56	3	14	593	2,210	75	3	6	180
	White	2,298	1,773	1	3	3	518	2,132	6	3	4	153
	Black	113	23	55	0	0	35	39	69	0	0	5
	Native American	22	9	0	0	0	13	21	0	0	0	1
	Other	26	1	0	0	11	14	12	0	0	2	12
	Not Stated	15	2	0	0	0	13	6	0	0	0	9
Both-Parent Adoption	Total	890	702	32	1	0	155	797	33	1	2	57
	White	794	673	0	1	0	120	735	1	1	2	55
	Black	65	22	32	0	0	11	33	32	0	0	0
	Native American	16	5	0	0	0	11	16	0	0	0	0
	Other	10	0	0	0	0	10	10	0	0	0	0
	Not Stated	5	2	0	0	0	3	3	0	0	0	2
Single-Parent Adoption	Total	67	37	9	0	0	21	36	11	0	0	20
	White	53	37	0	0	0	16	35	2	0	0	16
	Black	12	0	9	0	0	3	0	9	0	0	3
	Native American	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0
	Not Stated	2	0	0	0	0	2	1	0	0	0	1
Relative Adoption	Total	77	56	2	0	0	19	65	2	0	0	10
	White	72	55	0	0	0	17	63	0	0	0	9
	Black	2	0	2	0	0	0	0	2	0	0	0
	Native American	3	1	0	0	0	2	2	0	0	0	1
	Other	0	0	0	0	0	0	0	0	0	0	0
	Not Stated	0	0	0	0	0	0	0	0	0	0	0
Stepparent Adoption	Total	1,440	1,013	13	2	14	398	1,312	29	2	4	93
	White	1,379	1,008	1	2	3	365	1,299	3	2	2	73
	Black	34	1	12	0	0	21	6	26	0	0	2
	Native American	3	3	0	0	0	0	3	0	0	0	0
	Other	16	1	0	0	11	4	2	0	0	2	12
	Not Stated	8	0	0	0	0	8	2	0	0	0	6
Legitimation	Total	107	95	6	2	1	3	93	6	2	0	6
	White	92	89	0	0	0	3	87	0	0	0	5
	Black	11	4	6	0	0	0	5	6	0	0	0
	Native American	2	0	0	2	0	0	0	0	2	0	0
	Other	2	1	0	0	1	0	1	0	0	0	1
	Not Stated	0	0	0	0	0	0	0	0	0	0	0
Paternity Adjudication	Total	1,138	901	199	8	6	24	874	195	9	2	58
	White	876	848	7	1	1	19	821	5	2	1	47
	Black	245	48	192	2	0	3	48	190	2	0	5
	Native American	11	4	0	5	2	0	3	0	5	0	3
	Other	5	1	0	0	3	1	2	0	0	1	2
	Not Stated	1	0	0	0	0	1	0	0	0	0	1

Table 127. Adoptions, Legitimations and Paternity Adjudications by Size of Adoptive Family (Number of Other Children) for Events Processed in Colorado, 1989

TYPE OF ADOPTION	TOTAL PROCESSED	NO OTHER CHILDREN	ONE OTHER CHILD	TWO OTHER CHILDREN	THREE OTHER CHILDREN	FOUR OTHER CHILDREN	FIVE+ OTHER CHILDREN	UNKNOWN/ NOT STATED
PROCESSED IN COLORADO:								
Total Adoptions, Legitimations, and Paternity Adjudications	3,719	769	661	344	166	42	27	1,710
Total Adoptions	2,474	592	532	263	143	35	26	883
Both-Parent Adoptions	890	289	164	78	42	18	20	279
Single-Parent Adoptions	67	18	15	7	5	1	0	21
Relative Adoptions	77	20	7	8	0	0	3	39
Stepparent Adoptions	1,440	265	346	170	96	16	3	544
Legitimations	107	37	28	21	3	1	1	16
Paternity Adjudications	1,138	140	101	60	20	6	0	811
ADOPTED IN COLORADO:								
Total Adoptions, Legitimations, and Paternity Adjudications:	3,037	769	650	336	158	42	27	1,055
Total Adoptions	1,838	592	521	255	135	35	26	274
Both-Parent Adoptions	713	289	159	75	38	18	20	114
Single-Parent Adoptions	56	18	15	7	3	1	0	12
Relative Adoptions	43	20	7	8	0	0	3	5
Stepparent Adoptions	1,026	265	340	165	94	16	3	143
Legitimations	107	37	28	21	3	1	1	16
Paternity Adjudications	1,092	140	101	60	20	6	0	765
BORN IN COLORADO:								
Total Adoptions, Legitimations, and Paternity Adjudications	3,199	622	530	265	110	32	19	1,621
Total Adoptions	1,968	451	403	185	87	25	18	799
Both-Parent Adoptions	772	251	137	63	30	16	18	257
Single-Parent Adoptions	51	12	9	6	5	1	0	18
Relative Adoptions	62	13	5	6	0	0	0	38
Stepparent Adoptions	1,083	175	252	110	52	8	0	486
Legitimations	107	37	28	21	3	1	1	16
Paternity Adjudications	1,124	134	99	59	20	6	0	806

Table 128. Type of Adoption by State of Birth and State of Adoption for Adoptions Processed in Colorado, 1989

	STATE OF BIRTH FOR ADOPTIONS IN COLORADO					STATE OF ADOPTION FOR COLORADO-BORN ADOPTEES				
	TOTAL ADOPTIONS	BOTH PARENT	SINGLE PARENT	RELATIVE	STEPPARENT	TOTAL ADOPTIONS	BOTH PARENT	SINGLE PARENT	RELATIVE	STEPPARENT
Total	1,838	713	56	43	1,026	1,968	772	51	62	1,083
Alabama	3	0	0	0	3	8	0	0	1	7
Alaska	9	0	0	0	9	8	0	1	1	6
Arizona	22	2	0	2	18	34	4	0	6	24
Arkansas	6	1	0	0	5	12	7	0	0	5
California	69	21	4	4	40	53	24	2	3	24
Colorado	1,332	595	40	28	669	1,332	595	40	28	669
Connecticut	1	0	0	0	1	2	0	0	0	2
DC	3	1	0	0	2	1	1	0	0	0
Delaware	1	0	0	0	1	1	0	0	0	1
Florida	11	1	2	3	5	25	8	1	0	16
Georgia	9	3	1	0	5	11	1	0	0	10
Hawaii	7	2	0	0	5	2	1	0	0	1
Idaho	3	0	1	0	2	8	1	0	1	6
Illinois	18	3	0	0	15	22	7	0	0	15
Indiana	7	1	1	0	5	6	0	0	0	6
Iowa	18	0	0	0	18	17	5	1	0	11
Kansas	16	4	0	0	12	35	10	0	1	24
Kentucky	2	0	1	0	1	4	1	0	0	3
Louisiana	4	1	1	0	2	1	1	0	0	0
Maine	2	0	0	0	2	1	0	1	0	0
Maryland	3	0	0	1	2	5	1	0	0	4
Massachusetts	7	2	0	0	5	9	2	0	2	5
Michigan	9	1	0	0	8	14	1	0	2	11
Minnesota	7	1	0	0	6	11	3	0	0	8
Mississippi	3	0	0	0	3	6	1	0	0	5
Missouri	15	5	1	0	9	13	2	3	1	7
Montana	10	1	0	1	8	11	1	0	2	8
Nebraska	18	5	0	0	13	13	2	0	0	11
Nevada	7	4	1	0	2	8	1	0	0	7
New Hampshire	1	0	0	0	1	0	0	0	0	0
New Jersey	2	0	0	0	2	6	2	0	0	4
New Mexico	23	11	1	0	11	22	13	0	1	8
New York	9	4	0	0	5	24	9	0	4	11
North Carolina	4	3	0	0	1	10	4	0	0	6
North Dakota	5	2	0	0	3	3	0	0	1	2
Ohio	17	4	1	0	12	18	2	0	2	14
Oklahoma	13	1	0	1	11	23	7	0	0	16
Oregon	8	0	0	0	8	14	6	0	0	8
Pennsylvania	8	3	0	0	5	16	8	0	0	8
Rhode Island	0	0	0	0	0	2	0	0	0	2
South Carolina	3	1	0	0	2	2	1	0	0	1
South Dakota	11	3	0	0	8	7	2	0	0	5
Tennessee	3	1	0	0	2	9	2	0	1	6
Texas	39	8	1	1	26	45	8	0	2	35
Utah	50	2	0	0	12	26	11	1	2	12
Vermont	15	1	0	0	0	1	0	0	0	1
Virginia	15	1	0	0	13	13	2	0	0	11
Washington	24	3	0	1	6	14	4	1	0	9
West Virginia	10	0	0	0	0	2	0	0	0	2
Wisconsin	12	3	0	1	8	11	4	0	0	7
Wyoming	28	8	0	0	8	23	5	0	1	17

Counts may not add to total because of missing information.

Table 129. Adoptions, Legitimations and Paternity Adjudications by County and Region of Birth for Events Processed in Colorado, 1989

PLACE	TOTAL EVENTS	TOTAL ADOPTIONS	BOTH-PARENT ADOPTIONS	SINGLE-PARENT ADOPTIONS	RELATIVE ADOPTION	STEPPARENT ADOPTIONS	LEGITIMATIONS	ADJUDICATIONS
Colorado	3,719	2,474	890	67	77	1,440	107	1,138
Adams	129	93	37	0	3	53	4	32
Alamosa	28	18	3	0	0	15	2	8
Arapahoe	184	138	49	4	5	80	3	43
Archuleta	1	1	0	0	0	1	0	0
Baca	3	3	0	0	1	2	0	0
Bent	1	1	1	0	0	0	0	0
Boulder	101	87	39	2	0	46	2	12
Chaffee	20	19	3	0	3	13	1	0
Cheyenne	0	0	0	0	0	0	0	0
Clear Creek	0	0	0	0	0	0	0	0
Conejos	8	2	1	0	0	1	1	5
Costilla	0	0	0	0	0	0	0	0
Crowley	0	0	0	0	0	0	0	0
Custer	0	0	0	0	0	0	0	0
Delta	26	14	6	0	0	8	1	11
Denver	1,368	691	314	28	17	332	36	641
Dolores	0	0	0	0	0	0	0	0
Douglas	0	0	0	0	0	0	0	0
Eagle	9	8	4	0	1	3	0	1
Elbert	0	0	0	0	0	0	0	0
El Paso	431	327	120	8	13	186	21	83
Fremont	40	20	8	0	0	12	1	19
Garfield	25	19	8	0	0	11	4	2
Gilpin	0	0	0	0	0	0	0	0
Grand	6	5	1	0	0	4	0	1
Gunnison	3	3	1	0	0	2	0	0
Hinsdale	0	0	0	0	0	0	0	0
Huerfano	3	2	1	0	0	1	0	1
Jackson	0	0	0	0	0	0	0	0
Jefferson	79	69	21	1	2	45	2	8
Kiowa	0	0	0	0	0	0	0	0
Kit Carson	5	3	1	0	0	2	1	1
Lake	8	8	3	3	0	2	0	0
La Plata	47	33	13	0	1	19	3	11
Larimer	90	79	32	0	1	46	4	7
Las Animas	7	6	3	1	1	1	0	1
Lincoln	3	0	0	0	0	0	0	3
Logan	14	10	2	0	0	8	0	4
Mesa	56	49	14	0	2	33	0	7
Mineral	0	0	0	0	0	0	0	0
Moffat	14	11	3	0	1	7	0	3
Montezuma	10	9	2	0	2	5	0	1
Montrose	26	20	10	0	0	10	0	6
Morgan	16	12	2	0	1	9	1	3
Otero	30	20	7	0	1	12	4	6
Ouray	0	0	0	0	0	0	0	0
Park	0	0	0	0	0	0	0	0
Phillips	4	3	0	0	0	3	0	1
Pitkin	3	2	0	0	0	2	1	0
Prowers	12	12	2	1	0	9	0	0
Pueblo	272	85	30	2	2	51	12	175
Rio Blanco	1	1	1	0	0	0	0	0
Rio Grande	16	13	3	1	2	7	2	1
Routt	9	8	2	0	2	4	0	1
Saguache	0	0	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0	0
San Miguel	1	1	0	0	0	1	0	0

PLACE	TOTAL EVENTS	TOTAL ADOPTIONS	BOTH-PARENT ADOPTIONS	SINGLE-PARENT ADOPTIONS	RELATIVE ADOPTION	STEPPARENT ADOPTIONS	LEGITIMATIONS	ADJUDICATIONS
Sedgwick	2	2	0	0	0	2	0	0
Summit	0	0	0	0	0	0	0	0
Teller	0	0	0	0	0	0	0	0
Washington	1	1	1	0	0	0	0	0
Weld	75	56	24	0	1	31	1	18
Yuma	11	4	0	0	0	4	0	7
Not Stated	1	0	0	0	0	0	0	1
Out of State Births	520	506	118	16	15	357	0	14
PLANNING AND MANAGEMENT REGIONS:								
PMR 1	48	32	5	0	1	26	1	15
2	165	135	56	0	2	77	5	25
3	1,861	1,078	460	35	27	556	47	736
4	431	327	120	8	13	186	21	83
5	8	3	1	0	0	2	1	4
6	46	36	10	1	2	23	4	6
7	272	85	30	2	2	51	12	175
8	52	33	7	1	2	23	5	14
9	58	43	15	0	3	25	3	12
10	56	38	17	0	0	21	1	17
11	96	80	26	0	3	51	4	12
12	27	23	7	0	3	13	1	3
13	68	47	14	3	3	27	2	19
14	10	8	4	1	1	2	0	2
METRO/NON-METRO:								
Denver PMSA	1,760	991	421	33	27	510	45	724
Denver CMSA	1,861	1,078	460	35	27	556	47	736
Total Metro	2,729	1,625	666	45	44	870	85	1,019
Non-Metro	469	343	106	6	18	213	22	104
FIVE-REGION SUBSTATE GROUPS:								
Front Range	2,729	1,625	666	45	44	870	85	1,019
Western Slope	237	184	65	0	9	110	9	44
Eastern Plains	102	71	16	1	3	51	6	25
San Luis Valley	52	33	7	1	2	23	5	14
Eastern Mtns	78	55	18	4	4	29	2	21
POPULATION-BASED REGIONS:								
1 Denver	1,368	691	314	28	17	332	36	641
2 Jefferson	79	69	21	1	2	45	2	8
3 Boulder	101	87	39	2	0	46	2	12
4 Adams	129	93	37	0	3	53	4	32
5 Arapahoe	184	138	49	4	5	80	3	43
6 El Paso	431	327	120	8	13	186	21	83
7 Larimer	90	79	32	0	1	46	4	7
8 Pueblo	272	85	30	2	2	51	12	175
9 Weld	75	56	24	0	1	31	1	18
10 Northwest Reg	96	80	26	0	3	51	4	12
11 Western Reg	83	61	24	0	3	34	2	20
12 Eastern Reg	102	71	16	1	3	51	6	25
13 Central Reg	68	47	14	3	3	27	2	19
14 Southern Reg	120	84	26	2	6	50	8	28

See inside back cover for descriptions of regions.

Appendix 1.
Health Statistics and Vital Records Division

History

The Health Statistics and Vital Records Division of the Colorado Department of Health, including the office of the State Registrar, is responsible for the collection, compilation and maintenance of information on the state's vital events. These vital events include live births, spontaneous fetal deaths, induced terminations of pregnancy, deaths, marriages, marriage dissolutions and adoptions. The division also participates in research projects aimed at better understanding health and wellness in Colorado.

Colorado vital statistics have their origin in a Territorial Board of Health established in 1876. With Colorado's statehood later in 1876, the state's first General Assembly established the means of determining the causes of illness and death in the state. The new State Board of Health issued an official vital statistics report in 1877.

In 1900, the State Board of Health hired its first employees, a stenographer and clerk, to compile vital statistics. The first complete mortality report for the state was issued in 1901.

The Colorado General Assembly authorized a state system of birth and death registration in 1907 and provided the first funding for this system in 1910. Colorado was admitted to the national Death-Registration System in 1906 and the Birth-Registration System in 1928. The state's vital statistics have contributed to U.S. data since those dates.

Over 4,500,000 records dating from 1910 are maintained by the division. Computerized data files now include statistics for the years 1970 forward.

Organization

Health Statistics and Vital Records Division
Joseph D. Carney, Division Director and
State Registrar

The division is divided into an administrative unit, which oversees policy decisions and budget management, and three sections, the Data Management, Certification and Health Statistics sections.

Data Management Section
Janet K. Weiser, Section Chief

The Data Management Section is responsible for the initial collection and quality of data. Vital records are registered, coded for cause of death and industry and occupation, edited and entered into the vital statistics data bases.

Quality control, both in the field and during data processing, is done by this section. The section also operates a field program that manages communication and training among the hospital staff, funeral directors, coroners, local registrars and others who actually complete the vital records.

The section is now implementing the electronic birth certificate reporting system. This system enables hospitals to report births via computer rather than on paper records.

Certification Section
Linda S. Eisnach, Section Chief

The Certification Section primarily is responsible for the issuance of certified copies of birth and death certificates. These certificates have many legal uses, such as proof of identification for passports, school entrance, drivers licenses and legal proof of death for insurance purposes. It is the certification function of the division that most Coloradans are familiar with.

The section makes corrections and updates records following adoptions, paternity adjudications and paternity statements. In addition, the section administers the Colorado Voluntary Adoption Registry. The section has matched over 18,000 births and deaths to prevent the fraudulent use of birth records.

The number of certified copies of birth and death certificates issued for selected fiscal years (July 1 -June 30) appears below. Local registrars issue a comparable number each year. Also, in fiscal year 1988-1989, the section made 3,770 corrections of records, processed 1,337 birth records to show paternity, and processed 344 legal name changes.

In 1990 and 1991, seven local health departments (Boulder, Denver, El Paso, Jefferson, Larimer, Tri County and Weld) became part of the state's on-line birth issuance system. This allows vital records personnel in county health departments to access the entire state file of over 500,000 birth records for 1975 forward. This system substantially improves the convenience of obtaining birth certificate copies. Other efforts toward easing access for customers include acceptance of telephone orders with VISA/MasterCard at the state office. Customers may also FAX their VISA/MasterCard orders 24 hours a day via a toll-free number.

Health Statistics Section
Carol J. Garrett, Section Chief

The Health Statistics Section is the depository and source of Colorado vital statistics. It maintains, analyzes and disseminates these data in a variety of reports and provides special data presentations as needed.

The section participates in many research projects, including those on injury and diabetes surveillance. The section also manages the Colorado Health Survey Center, which conducts surveys such as the statewide Behavioral Risk Factor Surveillance System Survey.

Certified Copies of Colorado Birth and Death Certificates Issued: Selected Fiscal Years (July 1 - June 30), 1940-1941 through 1989-1990

FISCAL YEAR	TOTAL ISSUED	PAID COPIES	FREE COPIES
1940-1941	7,441	6,781	660
1950-1951	28,115	22,657	5,458
1960-1961	38,701	36,235	2,466
1961-1962	40,935	38,772	2,163
1962-1963	42,818	40,600	2,218
1963-1964	43,496	41,277	2,219
1964-1965	43,754	41,830	1,924
1965-1966	49,537	47,605	1,932
1966-1967	52,542	50,288	2,254
1967-1968	52,936	50,986	1,950
1968-1969	55,301	53,331	1,970
1969-1970	56,373	54,677	1,696
1970-1971	56,800	55,058	1,742
1971-1972	61,403	59,824	1,579
1972-1973	62,543	61,463	1,080
1973-1974	65,260	63,676	1,584
1974-1975	67,259	65,941	1,318
1975-1976	69,822	68,642	1,180
1976-1977	68,974	67,938	1,036
1977-1978	72,880	71,761	1,119
1978-1979	74,049	72,882	1,167
1979-1980	75,637	74,653	984
1980-1981	79,355	78,558	797
1981-1982	80,869	79,564	1,305
1982-1983	82,268	80,869	1,399
1983-1984	74,066	72,988	1,078
1984-1985	63,899	63,184	715
1985-1986	63,879	62,939	940
1986-1987	71,361	69,707	1,654
1987-1988	86,410	84,784	1,626
1988-1989	72,744	71,291	1,453
1989-1990	71,245	69,815	1,430

Fees for certified copies were $2 between 1954 and 1982, $4 between 1982 and 1984, $6 between 1984 and 1990 ($10 for priority service), and $12 effective November 1, 1990.

Appendix 2. Technical Notes

Reporting of Vital Events in 1989

Certificate and report forms for all vital events were revised in 1989 in Colorado and throughout the United States. Vital records are revised about every 10 years to refine and improve both legal and statistical portions of records. The last time revisions were made was in 1978. Statistical changes made to specific vital records in 1989 are discussed in detail in pertinent chapters of this report.

Live Births

Live birth data are reported on Certificates of Live Birth. Live births occurring to Colorado residents outside the state are included in resident live birth data by interstate exchange of records. Reporting of live births is considered to be virtually complete.

Spontaneous Fetal Deaths

Spontaneous fetal deaths of all gestations are reportable on Certificates of Fetal Death effective with events in 1989. Before 1989, two forms were used. Spontaneous fetal deaths estimated by the attending physician to be of 20 weeks or greater gestation were reported on Certificates of Fetal Death. Those events estimated to be of less than 20 weeks gestation were reported on Report of Spontaneous or Induced Abortion forms.

Resident data include only those events occurring to Colorado residents in the state. While spontaneous fetal deaths of all gestations are reportable in Colorado, events are assumed to be underreported. The extent of underreporting is not known but thought to be less complete with early gestations. Detailed compilation of spontaneous fetal death data in 1989 was limited to events estimated at 20 weeks or greater.

Induced Terminations of Pregnancy

Reports of Induced Termination of Pregnancy are used to compile these data, either as individual events on separate reports or on institutional log forms. Resident induced terminations of pregnancy data include only those events occurring to Colorado residents in the state.

While all outcomes of pregnancy are reportable in Colorado, induced terminations of pregnancy are underreported. An analysis of data for 1985 resulted in an estimate of 30 percent underreporting for the state in that year. It is not known if this estimate is applicable for other years or to what extent reporting differs by area in the state by age group or other characteristic of women. In addition, data for several statistical items (e.g. race) are incomplete for those events that are reported. These data are compiled for statistical purposes only. Information is not compiled by individual medical facility.

Deaths

Deaths are reported on Certificates of Death. As with live births, interstate exchange of records for deaths occurring to residents outside the state ensure complete resident data. Reporting is considered to be virtually complete.

Marriage

Marriage data are compiled from marriage application forms. It is possible for parties completing marriage application forms not to marry.

Marriage Dissolution

Divorce data are compiled from Reports of Marriage Dissolutions Declaration of Invalidity and Legal Separation provided by district courts in the state

As discussed in the marriage dissolution section of this report, a portion of the state's marriage dissolution data for 1989 was never received by the Health Statistics and Vital Records Division. These data were not retained by the district court and therefore were lost.

Data were for part of June and most of July for the counties of Adams, Arapahoe, Boulder, Denver, El Paso and Jefferson. County estimates based on monthly proportions of annual counts for 1986-88 were calculated to replace the missing information. Users should note that the counties involved account for about 70 percent of the state's marriage dissolutions.

Adoption

Data for adoptions, paternity adjudications and legitimations are compiled from Reports of Adoption or Paternity Determination and Certificates of Live Birth. Interstate exchange of information allows compilation of data both by place of birth and place of adoption. These data are compiled by year the events were processed.

Examples of Colorado vital statistics reporting forms follow in Appendix 3.

Population Data

Colorado population data used in this report for calculating rates for the years 1980-89 are 1989-based midyear (July 1) estimates from the Demographic Section, Division of Local Government, Colorado Department of Local Affairs. These population estimates were the most current figures available at the time this report was prepared. They are subject to revision and are not official estimates of population.

Vital rates in this report for the years 1980-89 have been recalculated with 1989-based estimates for consistency. Rates should not be considered as official figures because of the likelihood of denominator revision.

Rates for intercensual years before 1980 are based on available midyear estimates. Rates for censual years are based on April 1 census counts. An exception is rates for 1970, which are based on midyear estimates.

The release of preliminary 1990 census data before completion of this report allowed the inclusion of census counts by county to be included here. Based on 1990 census results, Colorado's population for 1989 has been revised at 3,284,537. This figure is 32,297 fewer than the 1989-based estimate of 3,316,834 used in this report. Statewide rates for the latter 1980s appearing here, therefore, are likely to be slightly lower than those calculated from newly available population estimates. The possibility of revision of 1990 census counts existed as this report went to print.

The effect of census-based revisions on county, age-specific and race-specific rates for the 1980s will be discussed in Colorado Vital Statistics 1990.

Persons interested in obtaining additional population data or further information about methodology should contact the Demographic Section at 1313 Sherman Street, Denver, CO 80203, (303) 866-3120.

Race and Ethnic Data

Race and ethnic statistics for live birth and spontaneous fetal death in this report were based on race of mother unless otherwise noted. Data in reports for previous years were calculated from race of child or fetus, which is assigned for statistical purposes by an algorithm that compares entries for mother and father. Race/ethnicity of mother is being adopted throughout the United States as a more meaningful category for natality and pregnancy issues than is race/ethnicity of child.

Another change in race/ethnicity data in this report is use of the category of white race/Spanish origin to compile vital statistics for Colorado Hispanics.

Before 1989, Spanish origin was reported by a vital record item that asked simply what the individual's ethnic origin was. Increases in reports of "American" reduced the value of this data item. Reporting forms were revised in 1989 to ask only if the individual was of Spanish origin and, if so, to specify if Mexican, Cuban, etc. The result of this revision was an increase in reporting of Spanish origin in 1989, presumably improving completeness of reporting.

Previous editions of this report relied on the category of white race/Spanish surname to estimate vital statistics for Hispanics. This category, while yielding proportions nearer to Hispanics' share of the population, obviously was flawed. Non-Hispanic women taking their husbands' Spanish surnames were counted among Hispanics, and Hispanics with non-Spanish surnames were excluded. The use of white race/Spanish origin beginning with 1989 data therefore is an improvement over either of the items used before certificate revision.

Race/ethnic categories used in this report are white (white race/non-Spanish origin), Hispanic (white race/Spanish origin), black, Asian and native American. Nonwhite Hispanics are included in their appropriate race groups in order to produce categories that will add to total.

Race/ethnic statistics found here therefore are not comparable to those appearing in other editions of this report. Care must always be used in assessing race and ethnic data because of the variety of ways in which these data are defined, collected and compiled.

U.S. Data

All national vital statistics presented in this report are from the National Center for Health Statistics (NCHS). NCHS is one of the Centers for Disease Control in the Public Health Service of the U.S. Department of Health and Human Services.

All U.S. data for 1989 in this report are provisional and subject to revision. U.S. data for years prior to 1989 are final. All U.S. vital statistics in this report were published either in the Monthly Vital Statistics Report, Statistical Abstract of the United States, or Vital Statistics of the United States. Specific references are available from the Health Statistics Section.

Additional U.S. data may be obtained from NCHS at 6525 Belcrest Road, Hyattsville, MD 20782, (301) 436-8500.

Small Frequencies

Many Colorado counties have small populations and few vital events. This makes interpretation of vital statistics in these areas difficult. Analysis of year-to-year changes or comparison with other places are hampered by a tendency for rates and percentages to fluctuate widely.

The use of average annual data increases both the size of the population and number of events considered, thus providing a more reliable indicator of what is "true" for an area than single-year data. Combining data for places with small numbers of events and small populations into regions is another was of improving the general usefulness of data. Both average annual statistics and multi-county region data are included in this report for selected events.

Testing for statistical significance is another way to address problems with small frequencies. The number of vital events reported for an area represents complete counts. As such, they are not subject to sampling error, although they are subject to errors in the sampling process.

However, when the figures are used for analytical purposes, such as the comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distribution of vital events may be assumed to follow the binomial distribution. Estimates of standard errors and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small. When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described in the figures.

Events of a rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that

1. The "true" number of events lies between

$$N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

2. The "true" rate lies between

$$R - 2\frac{R}{\sqrt{N}} \text{ and } R + 2\frac{R}{\sqrt{N}}.$$

If the rate R corresponding to N events is compared with the rate S corresponding to M events, the difference between the two rates may be regarded as statistically significant if it exceeds

$$2\sqrt{\frac{R^2}{N} + \frac{S^2}{M}}.$$

For example, suppose that the observed birth rate for area A was 15.0 births per 1,000 population and that this rate was based on 50 recorded births. Given the prevailing conditions, the chances are 19 in 20 that the "true" or underlying birth rate for the area lies between 10.8 and 19.2. Further suppose that the birth rate for area A of 15.0 is being compared with a rate of 20.0 for area B, which is based on 40 recorded births. Although the difference between the rates for the two areas is 5.0 births per 1,000 population, this difference is less than twice the standard error of the difference

$$2\sqrt{\frac{(15.0)^2}{50} + \frac{(20.0)^2}{40}}$$

of the two rates that is computed to be 7.6. From this, it is concluded that the difference between the rates for the two areas is not statistically significant.

The method for testing for statistical significance described here differs from that used to calculate confidence intervals in Table 113. For a description of the method used in this Table 113, contact the Health Statistics Section.

Colorado Complete Current Life Tables

Two types of life tables exist, the generation or cohort life table and the current life table. The generation life table follows the mortality experience of an actual cohort of people, for example, people born in 1920. The current life table considers a hypothetical cohort, assuming it to be subject to the age-specific death rates occurring at a given time, such as Colorado death rates in 1989.

The current life tables in this report therefore do not tell users how long they are expected to live based on their present age. The current life table expresses how long a group of people would live if the age-specific death rates existing in 1989 were to apply throughout their lives.

Complete life tables contain information for single years of life. Another type is the abridged life table, which contain values for 5-year age groups. Caution must be used in comparing life expectancy statistics from different sources because of the variety of methods that can be used in calculating them.

Life Table Definitions

Age interval in years (1) - This column denotes the age interval (X,X+1) under consideration.

Proportion Dying in Interval (X,X+1) (2) - Consider an individual alive at the exact age X. A row in this column is an estimate of the probability that this individual will die during the age interval (X,X+1).

Number Living at Age X (3) - The first number in this column is an arbitrary starting point. It is the number of individuals born into the hypothetical cohort "entering" the life table. Each succeeding number is the number of survivors at age X based on the mortality experience of the given population,. These numbers should be considered in relation to the starting point. For example, in the total Colorado table, 99,131 of the 100,000 born into the hypothetical cohort were alive on their second birthday.

Number Dying in Interval (X,X+1) (4) - This column is the number of "life table deaths" in the age interval under consideration. It has meaning only in relationship to the arbitrarily chosen number of individuals entering the hypothetical cohort. For example, in the total Colorado table, 807 infant deaths are listed. This is not the actual number of infant deaths for Colorado residents in 1989.

Fraction of Last Year of Life Lost (5) - Consider the number of people dying in the interval (X,X+1). Each of these individuals lived X years plus some fraction of time. If the deaths are assumed to occur uniformly throughout the age interval, the fraction of last year of life lost is set equal to one half. In each of the tables presented, this fraction is assumed to be less than one half during the first year of life, which takes into consideration most infant deaths occurring in the first weeks of life rather than uniformly across this age interval. The fractions used here were derived from corresponding Colorado life tables for 1979-1981 produced by the National Center for Health Statistics. (U.S. Decennial Life Tables for 1979-1981 Washington: GPO, 1985.)

Number of Years Lived in Interval (X,X+1) (6) - This column is the sum of each single year contributed by those individuals who survived in the interval and the fractions of years contributed by those who died in the interval.

Total Number of Years Lived Beyond Age X (7) - This is the sum of the number of years lived in each interval starting with the interval beginning with age X and summing over the remaining intervals.

Observed Expectation of Life at Age X (8) - The rows of this column estimate the average number of years remaining to an individual who is now age X. It is computed by dividing figures in column 7 by figures in column 3.

Life table methodology used here is based on work by Chin Long Chiang (*Introduction to Stochastic Processes in Biostatistics*. Wiley and Sons: NYC, 1968).

Conversion of Metric Weights to U.S. Equivalents

<500 grams = 1 lb 1 oz or less
500 - 999 g = 1 lb 2 oz - 2 lb 3 oz
1,000 - 1,499 g = 2 lb 4 oz - 3 lb 4 oz
1,500 - 1,999 g = 3 lb 5 oz - 4 lb 6 oz
2,000 - 2,499 g = 4 lb 7 oz - 5 lb 8 oz
2,500 - 2,999 g = 5 lb 9 oz - 6 lb 9 oz
3,000 - 3,499 g = 6 lb 10 oz - 7 lb 11 oz
3,500 - 3,999 g = 7 lb 12 oz - 8 lb 13 oz
4,000 - 4,499 g = 8 lb 14 oz - 9 lb 14 oz
4,500 - 4,999 g = 9 lb 15 oz - 11 lb 0 oz
5,000+ grams = 11 lb 1 oz or greater

Definitions

Adoptee: An individual who has been adopted, either by two parents neither of whom is the individual's natural parent, by a relative, a single parent, or a stepparent.

Age-Adjusted Rate: Total rate that has been standardized for age distribution so that it is, in effect, independent of the age structure of the particular population being studied.

Annulment: A judicial announcement invalidating or voiding a marriage that confers on the parties the status of never having been married to each other.

Apgar Score: Summary measure of an infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each factor is given a score of 0, 1 or 2. The sum of these five values is the Apgar score, which ranges from a low of 0 to an optimum of 10. Apgar scores typically are measured at one minute and five minutes after birth. Data for five-minute scores are used in this report. The measure is named after its developer, Dr. Virginia Apgar.

Birth to Unmarried Woman: A mother is considered to be unmarried if she was neither married or legally separated at the time of conception and/or did not marry or legally separate at any time between conception and delivery. Common law marriages are recognized as legal marriages in Colorado.

Birth Weight: The first weight of the fetus or newborn obtained after birth. This weight preferably is measured within the first hour of life, before a significant postnatal weight loss has occurred.

Cause of Death: All those diseases, morbid conditions, or injuries that either resulted in or contributed to death and the circumstances of the accident or violence that produced any such injuries. Underlying cause of death is the cause for which most standard mortality data are compiled.

Chronic Disease: A disease that comprises all impairments or deviations from normal and is characterized by one or more of the following: permanence, residual disability, nonreversible pathological alteration, requirement of special training of the patient for rehabilitation, or expectation of need for a long period of supervision, observation or care.

Communicable Disease: A disease capable of being transmitted from one person to another.

Congenital Anomaly: Certain mental or physical traits or peculiarities, malformations, diseases, etc. present at birth whose etiology may be hereditary or due to some influence occurring during gestation. Also called congenital malformations or birth defects.

Death: The permanent disappearance of any evidence of life at any time after live birth.

Divorce: The final legal dissolution of a marriage.

Epidemiology: The study of the distribution of a disease or physiological condition in human populations and of the factors that influence this distribution.

Gestational Age: Number of completed weeks from the first day of the mother's last normal menstrual period until the date of delivery or termination of pregnancy.

Hebdomadal Death: Death in the first seven days of life.

Incidence: The number of new cases of a disease having their onset in a population over a prescribed period of time.

Infancy: The period between live birth and one year of age. A child ceases to be an infant on its first birthday.

Infant Death: Death in the first year of life.

Induced Termination of Pregnancy: The purposeful interruption of pregnancy other than to produce a liveborn infant or to remove a dead fetus, which does not result in a live birth.

Legitimation: The result of the intermarriage of the natural parents following the birth of the child in which paternal information is added to the child's birth record.

Life Expectancy: The average number of years of life remaining for persons surviving to a given age on the basis of a given set of age-specific rates of dying.

Live Birth: The complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born. Birth data in this report are for live births only.

Low Weight Birth: Birth weight of less than 2,500 grams or 5 lb 8 oz, or less.

Marriage: The legal union of two persons, limited in Colorado to members of opposite sexes.

Marriage Dissolution: The legal termination of a marriage. Includes annulments and divorces.

Maternal Death: The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

Mean: Measure of central tendency defined as the sum of scores divided by the total number of cases involved.

Median: The middle value of N values of X arranged in order of size. If a set of observations is arranged in increasing or decreasing order of magnitude, the median is the middle value when the number of values is odd or the mean of the two middle values when the number of observations is even.

Mode: The most frequent value contained in a set of data.

Morbidity: The relative incidence of disease.

Multiple Birth: More than one child born resulting from a single pregnancy. Also called plural birth.

Natural Increase: The difference between the number of resident births and deaths.

Neonatal Death: Death in the first 28 days of life.

Net Migration: The difference between the number of people moving in and out of a recognized geographical boundary.

Notifiable Disease: A disease that health providers are required, usually by law, to report to federal, state or local public health officials when diagnosed. Reportable diseases are those of public interest by reason of their contagiousness, severity or frequency.

Parity: Number of times a woman has been pregnant and delivered, whether alive or dead, a fetus or child weighing at least 500 grams or having an estimated gestational age of at least 20 weeks. A multiple birth is considered as a single parous experience. Before delivery, a mother having her first baby has a parity of zero.

Paternity Adjudication: Determination of paternity by a district court.

Perinatal: Pertaining to or occurring in the period shortly before and after birth. There are several commonly used definitions for the perinatal period, extending from 20 weeks of gestation to 4 weeks after birth. In this report, perinatal refers to the period of 20 weeks gestation to 28 days of life.

Perinatal Death: As defined in this report, death of a fetus of at least 20 weeks gestational age or of a child under 28 days of life.

Postneonatal Deaths: Death of a child occurring between the ages of 28 days and 1 year.

Postterm: Births occurring at a gestational age greater than or equal to 42 weeks (>293 days).

Premature Birth: Birth occurring prior to 37 completed weeks of gestation, but after that stage of viability at about 20 weeks gestation.

Prenatal: Preceding birth.

Prenatal Care: Medical care during pregnancy before birth.

Prenatal Visits: The number of visits made to a physician or other health care provider during the prenatal period for medical supervision of a pregnancy.

Preterm: Births occurring prior to 37 completed weeks of gestation (<259 days).

Prevalence: The number of existing cases of a disease at a given point in time in a community. Depends upon incidence and duration of disease.

Reported Cause of Death: Any cause of death reported on the death certificate. Also called mentioned cause of death.

Singleton: Single birth.

Spontaneous Fetal Death: The expulsion or extraction of a product of human conception resulting in other than a live birth and which is not an induced termination of pregnancy

Term: Births occurring between 37 and 41 completed weeks of gestation (259-293 days).

Trimester: As used in this report, a three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.

Underlying Cause of Death: The disease or injury that initiated the train of events leading directly to death or the circumstances of the accident or violence that produced the fatal injury.

Weeks Gestation: Completed weeks from the first day of the mother's last normal menstrual period.

Vital Statistics Formulas

The most frequently used rates are included here. Unless noted otherwise, all rates and ratios are for annual resident events. Populations used in calculating rates generally are midyear figures. Multiples shown are those most commonly used.

Age-Adjusted Death Rate – Direct Method (U.S. population for 1940 is used as standard for rates in this report.)

$$\frac{\text{Sum of (age-specific death rate per 1,000 population of area} \times \text{standard population in corresponding age group)}}{\text{Sum of the standard population}}$$

Age-, Sex-, Race-Specific Rate (Can be applied to any vital event)

$$\frac{\text{Number of events in specified age/sex/race group}}{\text{Population in specified age/sex/race group}} \times 1{,}000$$

Age-Specific Fertility Rate (Also called age-specific birth rate but note that, unlike general birth rate, only female population is used for denominator)

$$\frac{\text{Number of live births to women in specified age group}}{\text{Female population in specified age group}} \times 1{,}000$$

Age-Specific Pregnancy Rate (Relies on underreported pregnancy outcomes and therefore underestimates actual pregnancy rate. This rate is not used in this report because of loss of reported spontaneous fetal death data for events <20 weeks gestation.)

$$\frac{\text{Total live births, reported induced terminations of pregnancy and spontaneous fetal deaths to women of a specified age-group}}{\text{Female population in specified age group}} \times 1{,}000$$

Birth Rate

$$\frac{\text{Total number of live births}}{\text{Total population}} \times 1{,}000$$

Birth Rate by Live-Birth Order

$$\frac{\text{Number of live births of a given birth order}}{\text{Female population aged 15-44}} \times 1{,}000$$

Cause-Specific Death Rate (Used with underlying causes of death)

$$\frac{\text{Number of deaths from specified cause}}{\text{Total population}} \times 100{,}000$$

Crude Death Rate (When the term of "death rate" alone is used it should be assumed the rate is a crude death rate.)

$$\frac{\text{Total number of deaths}}{\text{Total population}} \times 1{,}000$$

General Fertility Rate

$$\frac{\text{Total number of live births}}{\text{Female population aged 15-44 years}} \times 1{,}000$$

Infant Mortality Rate (As opposed to an infant death rate, which is simply an age-specific death rate for persons <1 year old)

$$\frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1{,}000$$

Marriage Rate

$$\frac{\text{Number of marriages occurring in a place}}{\text{Total resident population of that place}} \times 1{,}000$$

Marriage Dissolution Rate (Often called divorce rate which more properly is based only on divorces)

$$\frac{\text{Number of divorces and annulments occurring in a place}}{\text{Total resident population of that place}} \times 1{,}000$$

Maternal Mortality Rate (See definition of maternal death.)

$$\frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 10{,}000$$

Neonatal Mortality Rate

$$\frac{\text{Number of neonatal deaths}}{\text{Number of live births}} \times 1{,}000$$

Perinatal Mortality Rate (Definitions of perinatal mortality vary. Care should be used when comparing perinatal statistics from different sources.)

$$\frac{\text{Number of reported spontaneous fetal deaths of } 20+ \text{ weeks gestation and neonatal deaths}}{\text{Number of reported spontaneous fetal deaths of } 20+ \text{ weeks gestation and number of live births}} \times 1{,}000$$

Postneonatal Mortality Rate

$$\frac{\text{Number of postneonatal deaths}}{\text{Number of live births}} \times 1{,}000$$

Race- and Race-and-Age-Specific Fertility Rates

$$\frac{\text{Number of live births to mothers of a specified age and/or race group}}{\text{Population of a specified age and/or race group}} \times 1{,}000$$

Reported Pregnancy Rate (Also called general pregnancy rate)

$$\frac{\text{Total live births, reported induced terminations of pregnancy and reported spontaneous fetal deaths}}{\text{Female population aged 15-44}} \times 1{,}000$$

Standard Mortality Ratio

$$\frac{\text{Total observed deaths in a population in a period of time}}{\text{Total expected deaths in same population over same of time}}$$

Total Fertility Rate

(The sum of all age-specific fertility rates of women in five-year age groups 10-14 through 45-49 years) x 5

International Classification of Diseases (ICD) System Codes for Selected Diseases and Conditions, 1941-Present (World Health Organization)

DISEASE	9TH REVISION (1979-)	8TH REVISION (1968-1978)	7TH REVISION (1958-1967)	6TH REVISION (1949-1957)	5TH REVISION (1941-1948)
Infectious and Parasitic	(001-139)	(000-136)	(001-138)	(001-138)	(1-44)
Typhoid Fever	002	001	040	040	1
Salmonellosis	003	002,003	041,042	041,042	2
Shigellosis	004	004	045	045	27a
Botulism	005.1	005.1	049.1	049.1	177
Tuberculosis	010-018	010-019	001-019	001-019	13-22
Diptheria	032	032	055	055	10
Pertussis	033	033	056	056	9
Streptococcal Infection	034,041.0	034	050,051,053.0	050,051,053.0	8
Meningococcal Infection	036	036	057	057	6
Poliomyelitis	045	040-043	080	080	36
Measles	055	055	085	085	35
Encephalitis	062-064,323	062-065,079.2,323	082,343	082,343	37,44d
Colorado Tick Fever	066.1	068.1	096.9	096.9	38f
Infectious Hepatitis (Type A)	070.1	070	092	092	32a
Mumps	072	072	089	089	44c
Rocky Mountain Spotted Fever	082.0	082.0	104	104	39c
Malaria	084	084	110-117	110-117	28
Syphilis	090-097	090-097	020-029	020-029	30
Gonorrhea and Other STD	098-099	098,099	030-039	030-039	25,44a
Neoplasms	(140-239)	(140-239)	(140-239)	(140-239)	(45-57)
Malignant	140-208	140-209	140-207	140-207	(61-66)
Endocrine Glands	(240-259)	(240-258)	(240-277)	(240-277)	61
Diabetes Mellitus	250	250	260	260	(90-103,83)
Circulatory System	(390-448)	(390-458)	(400-468, 330-334)	(400-468, 330-334)	58
Rheumatic Fever	390-392	390-392	400-402	400-402	58,90-95
Heart Disease	390-398,402, 404-429	390-398,402, 404,410-429	400-443	400-443	
Other Diseases of Circulatory System	400,401,403, 441-448	400,401,403, 441-448	444-447, 451-456	444-447, 451-456	96,98,99
Cerebrovascular Diseases	430-438	430-438	330-334	330-334	83
General Atherosclerosis	440	430-438	450	450	97
Respiratory System	(460-519)	430-438	(470-527)	(470-527)	(106-114)
Influenza	487	470-474	480-483	480-483	33
Pneumonia	480-486	480-486	490-493	490-493	107-109
Chronic Obstructive Pulmonary Diseases	490-496	490-496			
Bronchitis, Chronic and Unspecified	490-491	490-491	501-502	501-502	106b
Emphysema	492	492	527.1	527.1	113
Asthma	493	493	241	241	112
Digestive System	(520-579)	(520-577)	530-587)	530-587)	(115-129)
Cirrhosis of the Liver	571	571	581	581	124
Genitourinary System	(580-629)	(580-629)	(590-637)	(590-637)	(130-139)
Nephritis and Nephrosis	580-584	580-584	590-594	590-594	130-132
Complications of Pregnancy, Childbirth and Puerperium	(630-676)	(630-676)	(640-689)	(640-689)	(140-150)
Congenital Anomalies	(740-759)	(740-759)	(750-759)	(750-759)	157
Diseases of Early Infancy	(760-779)	(760-769.2,779.4-772,774-778	(760-776)	(760-776)	(158-161)
Injury and Poisoning	(E800-E999)	(E800-E999)	(E800-E999)	(E800-E999)	(163-198)
Accidents (Unintentional Injuries) 178-195	E800-E949	E800-E949	E800-E962	E800-E962	169-176,
Suicide	E950-E959	E950-E959	E963,E970-E979	E963,E970-E979	163,164
Homicide	E960-E978	E960-E978	E980-E985	E980-E985	165-168,198
Injury, Intent Undetermined	E980-E989	E980-E989			

Appendix 3. Data Available from the Health Statistics Section

In addition to *Colorado Vital Statistics*, data are released in the section's quarterly newsletter, *Colorado Health Statistics*, in special-topic reports, in standard tabulations, and in special data preparations.

The section usually provides hard-copy information that is already compiled to users free of charge. The section is obliged to charge for special data preparations tailored to specific needs. Costs are determined by such factors as the amount of staff and computer time required and the complexity of the request. Staff are available during business hours to respond to data requests. Users should contact the section at:

Health Statistics Section
Division of Health Statistics and Vital Records
Colorado Department of Health
4210 E. 11th Avenue, Room 227
Denver, CO 80220
(303) 331-4885.

All Colorado vital records are confidential in accordance with Colorado statutes (Section 25-2-117). In addition, usefulness of individual data items may vary because of differences in completeness and quality of reporting.

The Health Statistics Section reserves the right to release information in a manner it judges to be responsible, appropriate and in accordance with statutes and regulations. The section specifically disclaims responsibility for any analyses, interpretations or conclusions it has not provided.

The variety of readily available data maintained by the section is too great to detail here. However, the following abridged file descriptions will assist users in determining what types of statistical information may be obtained from the state's vital statistics system. Variables shown are those for 1989 forward.

Births

All variables are available since 1975 except as noted.

Abnormal conditions of newborn (1989)
Age of father (Calculated from date of birth starting 1989)
Age of mother (Calculated from date of birth starting 1989)
Apgar scores, one and five minutes
Attendant type
Average number of cigarettes mother smoked per day (1989)
Average number of drinks mother drank per week (1989)
Birth order
Calculated weeks gestation
Certifier title (1989)
Clinical estimate of gestation (1989)
Complications of labor and/or delivery (1989)
Congenital anomalies of newborn (1989)
County of birth
Date of birth
Date of last pregnancy outcomes
Education of father
Education of mother
Ethnic origin of child (Limited to Spanish origin starting 1989)
Ethnic origin of father (Limited to Spanish origin starting 1989)
Ethnic origin of mother (Limited to Spanish origin starting 1989)
Facility infant transferred to after delivery (1989)
Facility mother transferred from prior to delivery (1989)
Father's date of birth (1989)
Father's state of birth
Hour of birth
Industry and occupation of mother and father (1989)
Marital status of mother (Married or unmarried)
Medical risk factors (1989)
Method of delivery (1989)
Month prenatal care began
Mother employed during pregnancy (1989)
Mother's city of residence
Mother's county of residence
Mother's date of birth (1989)
Mother's mailing address ZIP code
Mother's state of birth
Mother's state of residence
Number of prenatal visits
Obstetric procedures (1989)
Place of birth
Place of birth type (1989)
Plurality
Prenatal blood tests for syphilis, HIV, hepatitis (1989)

Previous pregnancies by outcome type (Incomplete for some years)
Race of child (Calculated from parents' race)
Race of father
Race of mother
Residence census tract (1978, Denver metro only)
Sex of child
Spanish surname of child
State of birth
Weight gained during pregnancy (1989)

Deaths

All variables are available since 1970 unless noted.

Age
Certifier type
City of injury (1989)
City of residence
County of death
County of injury (1989)
County of residence
Date of birth (1989)
Date of death
Date of injury (1989)
Description of injury (1989)
Disposition method of body (1975)
Education (1989)
Ethnic origin (Limited to Spanish origin starting 1989)
If autopsy performed
If coroner case (1978)
Injury at work (1980)
Manner of death, such as natural or homicide (1989)
Marital status
Multiple cause of death
Place of death
Place of death type (1978)
Place of injury (1980)
Race
Residence census tract (Denver metro only)
Residence ZIP code (1975)
Sex
Spanish surname (1975)
State of birth
State of death
State of injury (1989)
State of residence
Time of death
Time of injury (1989)
Underlying cause of death
Usual occupation and industry (1980)

Matched Birth-Infant Deaths

This file combines death and birth certificate information for infant deaths. All variables are available from 1975 unless noted.

Abnormal conditions of newborn (1989)
Age at death
Age of father at birth
Age of mother at birth
Apgar scores, one and five minutes
Attendant type at birth
Average number of cigarettes mother smoked per day (1989)
Birth certifier's title (1989)
Birth order
Birth weight
Calculated weeks of gestation
City of residence
Clinical estimate of gestation (1989)
Complications of labor and/or delivery (1989)
Congenital anomalies of newborn (1989)
County of birth
County of death
County of residence
County of residence at birth
Date of birth
Date of death
Education of father
Ethnic origin of child (1978, Spanish origin only starting 1989)
Facility mother transferred from prior to delivery (1989)
Facility to which infant transferred after delivery (1989)
Father's date of birth (1989)
Hour of birth
If autopsy performed
Industry and occupation of parents (1989)
Legitimacy
Medical risk factors (1989)
Method of delivery (1989)
Month care began
Mother employed during pregnancy (1989)
Mother's date of birth (1989)
Multiple cause of death
Obstetric procedures (1989)
Place of birth
Place of birth type (1989)
Place of death
Plurality
Prenatal blood tests for syphilis, HIV, hepatitis (1989)
Prenatal visits

Previous pregnancies by outcome type (Incomplete for some years)
Race of child (Calculated from parents' race)
Residence census tract at death (Denver metro only)
Sex
Spanish surname of child
State of birth
State of death
State of residence
State of residence at birth
Total previous deliveries to mother
Underlying cause of death

Spontaneous Fetal Deaths

Beginning in 1989, data for fetal deaths were compiled only for events estimated at 20 weeks or greater gestation. Variables shown here are available from 1980 forward unless noted. Comparable data often are available for early fetal deaths (< 20 weeks) for the years 1980-1988. Reporting of individual items often is incomplete.

Age of father
Attendant type
Birth order
Birth weight of fetus
Cause of death
Census tract of mother (Denver metro only)
Certifier's title
City of event
City of mother's residence
County of event
County of mother's residence
Date last normal menses began
Date of event
Disposition type
Education of father
Education of mother
Ethnic origin of father (Limited to Spanish origin starting 1989)
Ethnic origin of fetus (Limited to Spanish origin starting 1989)
Ethnic origin of mother (Limited to Spanish origin starting 1989)
Father's date of birth (1989)
Hour of event
If autopsy performed
Industry and occupation of father
Industry and occupation of mother
Marital status of mother
Month prenatal care began
Mother employed during pregnancy
Mother's age
Mother's date of birth (1989)
Mother's residence inside city limits
Physician's estimate of gestation
Place of delivery
Plurality
Prenatal visits
Previous pregnancies by outcome type
Race of father
Race of fetus (Calculated from parents' race)
Race of mother
Residence ZIP code
Sex of fetus
Spanish surname of fetus
State event occurred
State of mother's residence

Induced Terminations of Pregnancy

All variables are available from 1978 unless noted. Information is for patient. Reporting of individual items often is incomplete.

Additional procedures
Age
Clinical estimate of gestation
County of pregnancy termination
County of residence
Date last normal menses began
Date of pregnancy termination
Education
Ethnic origin (Limited to Spanish origin starting 1989)
Facility type (Clinic, hospital, doctor's office)
Marital status
Previous pregnancies by outcome type
Race
State of residence
Type of procedure

Marriages

All variables are available from 1975.

Bride's date of birth
Bride's marital status (Single, widowed, divorced)
Bride's state of birth
Bride's state of residence
Ceremony type
County of marriage
Date of bride's last termination of marriage
Date of groom's last termination of marriage
Date of marriage
Groom's date of birth
Groom's marital status (Single, widowed, divorced)
Groom's state of birth
Groom's state of residence

Marriage Dissolutions

All variables are available from 1975.

County of decree
Decree date
Dissolution type (Divorce, annulment, legal separation)

Adoption, Legitimations, Paternity Adjudications

All variables are available from 1979 unless noted. The term "adoption" is used here to include legitimations and adjudications.

Age of natural father
Age of natural mother
County of birth of adoptee
County of initiation
Date of birth of adoptee
Date of birth of adoptive father
Date of birth of adoptive mother
Date of decree
Education of adoptive father
Education of adoptive mother
Education of natural father
Education of natural mother
Family size of adoptive family
Legitimacy of child
Race of adoptee
Race of adoptive father
Race of adoptive mother
Race of natural father
Race of natural mother
Sex of adoptee
State of birth of adoptee
State of initiation
Year adoption processed by vital records office

STATE OF COLORADO

CERTIFICATE OF LIVE BIRTH

105

STATE FILE NUMBER

INFANT

1 CHILD NAME *(First, Middle, Last)*

2 DATE AND HOUR OF BIRTH *(Month, Day, Year, Hour)*

3 SEX

4 CITY, TOWN, OR LOCATION OF BIRTH

5 COUNTY OF BIRTH

6 PLACE OF BIRTH ☐ Hospital ☐ Freestanding Birthing Center
☐ Clinic/Doctor's Office ☐ Residence
☐ Other *(Specify)* ____

7 FACILITY NAME *(If not institution, give street and number)*

ATTENDANT

8 I certify that this child was born alive at the place and time and on the date stated.

Signature ▶

9 DATE SIGNED *(Month, Day, Year)*

10 ATTENDANT'S NAME AND TITLE *(If other than Certifier) (Type-Print)*
Name ____
☐ M.D. ☐ D.O. ☐ C.N.M.
☐ Other *(Specify)* ____

11 CERTIFIER'S NAME AND TITLE *(Type/Print)*
Name ____
☐ M.D. ☐ D.O. ☐ Hospital Admin. ☐ C.N.M.
☐ Other *(Specify)* ____

12 ATTENDANT'S MAILING ADDRESS *(Street and Number or Rural Route Number, City or Town, State, ZIP Code)*

13 REGISTRAR'S SIGNATURE
▶

14 DATE FILED BY REGISTRAR *(Month, Day, Year)*

MOTHER

15 MOTHER-NAME *(First, Middle, Last (Maiden))*

16 DATE OF BIRTH *(Month, Day, Year)*

17 BIRTHPLACE *(State or Foreign Country)*

18a RESIDENCE-STATE

18b COUNTY

18c CITY, TOWN OR LOCATION

18d ZIP

18e STREET AND NUMBER

18f INSIDE CITY LIMITS?
☐ Yes ☐ NO

19 MOTHER'S MAILING ADDRESS *(If different than residence)* ZIP

FATHER

20 FATHER-NAME *(First, Middle, Last)*

21 DATE OF BIRTH *(Month, Day, Year)*

22 BIRTHPLACE *(State or Foreign County)*

23 I certify that the personal information provided on this certificate is correct to the best of my knowledge and b[illegible]
Signature of Parent or Other Informant ▶

24 RELATION TO CHILD

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

FATHER

25 RACE: American Indian, Black, White, etc. *(Specify)*

26 HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.)
☐ NO ☐ YES

27 EDUCATION *(Specify only highest grade completed)* Elementary or secondary (0 through 12) College (13 through 16 or 17+)

28a MOST RECENT OCCUPATION

28b KIND OF BUSINESS OR INDUSTRY

28c NAME AND LOCALITY OF COMPANY OR FIRM

MOTHER

29 RACE: American Indian, Black, White, etc. *(Specify)*

30 HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.)
☐ [illegible] YES

31 EDUCATION *(Specify only highest grade completed)* Elementary or secondary (0 through 12) College (13 through 16 or 17+)

32a MOST RECENT OCCUPATION

32b KIND OF BUSINESS OR INDUSTRY

32c NAME AND LOCALITY OF COMPANY OR FIRM

32d EMPLOYED DURING THIS PREGNANCY?
NO ☐ YES ☐

33. PREGNANCY HISTORY *(Complete each section)*

LIVE BIRTHS *(Do not include this child)*

OTHER TERMINATIONS *(Spontaneous and induced at any time after conception)*

33a Now Living
Number ____
☐ None

33b Now Dead
Number ____
☐ None

[illegible] Number ____
☐ None

33c DATE OF LAST LIVE BIRTH *(Month, Year)*

33e DATE OF LAST OTHER TERMINATION *(Month, Year)*

34 MOTHER MARRIED? (At birth, conception or any time between) *(Yes or No)*

35 DATE LAST NORMAL MENSES BEGAN *(Month, Day, Year)*

36 MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. *(Specify)*

37 PRENATAL VISITS - Total Number *(If none, so state)*

38 BIRTH WEIGHT *(Specify unit)*

39 CLINICAL ESTIMATE OF GESTATION *(Weeks)*

40a PLURALITY - Single, Twin, Triplet, etc. *(Specify)*

40b IF NOT SINGLE BIRTH - Born First, Second, Third, etc. *(Specify)*

[illegible] SCORE
41a. 1 Minute
41b. 5 Minutes

42 PRENATAL BLOOD TEST DATE *(Month, Day, Year)*
Check screenings that apply:
☐ Syphilis ☐ HIV ☐ Hepatitis-B

43a MOTHER TRANSFERRED PRIOR TO DELIVERY? If Yes, enter name of facility transferred from
☐ No ☐ Yes

43b INFANT TRANSFERRED? If yes, enter name of facility transferred to
☐ No ☐ Yes

1. ____
2. ____
3. ____
4. ____
5. ____

44a MEDICAL RISK FACTORS FOR THIS PREGNANCY
(Check all that apply)
01 ☐ Anemia (Hct. <30/Hgb. <10)
02 ☐ Cardiac disease
03 ☐ Acute or chronic lung disease
04 ☐ Diabetes, gestational
05 ☐ Diabetes, pre-existing
06 ☐ Genital herpes
07 ☐ Hydramnios/Oligohydramnios
08 ☐ Hemoglobinopathy
09 ☐ Hypertension, chronic
10 ☐ Hypertension, pregnancy associated
11 ☐ Eclampsia
12 ☐ Incompetent cervix
13 ☐ Previous infant 4000+ grams
14 ☐ Previous preterm or small-for-gestational age infant
15 ☐ Renal disease
16 ☐ Rh sensitization
17 ☐ Uterine bleeding
00 ☐ None
18 ☐ Other ____ *(Specify)*

44b OTHER RISK FACTORS FOR THIS PREGNANCY
(Complete all items)
Tobacco use during pregnancy .... Yes ☐ No ☐
Average number cigarettes per day ____
Alcohol use during pregnancy .... Yes ☐ No ☐
Average number drinks per week ____
Weight gained during pregnancy ____ lbs.

45 OBSTETRIC PROCEDURES
(Check all that apply)
01 ☐ Amniocentesis
02 ☐ Electronic fetal monitoring
03 ☐ Induction of labor
04 ☐ Stimulation of labor
05 ☐ Tocolysis
06 ☐ Ultrasound
00 ☐ None
07 ☐ Other ____ *(Specify)*

46 COMPLICATIONS OF LABOR AND/OR DELIVERY
(Check all that apply)
01 ☐ Febrile (> 100 F, or 38 C)
02 ☐ Meconium, moderate/heavy
03 ☐ Premature rupture of membrane (> 12 hours)
04 ☐ Abruptio placenta
05 ☐ Placenta previa
06 ☐ Other excessive bleeding
07 ☐ Seizures during labor
08 ☐ Precipitous labor (<3 hours)
09 ☐ Prolonged labor (>20 hours)
10 ☐ Dysfunctional labor
11 ☐ Breech/Malpresentation
12 ☐ Cephalopelvic disproportion
13 ☐ Cord prolapse
14 ☐ Anesthetic complications
15 ☐ Fetal distress
00 ☐ None
16 ☐ Other ____ *(Specify)*

47 METHOD OF DELIVERY *(Check all that apply)*
01 ☐ Vaginal
02 ☐ Vaginal birth after previous C-section
03 ☐ Primary C-section
04 ☐ Repeat C-section
05 ☐ Forceps
06 ☐ Vacuum

48 ABNORMAL CONDITIONS OF THE NEWBORN
(Check all that apply)
01 ☐ Anemia (Hct. <39/Hgb. <13)
02 ☐ Birth injury
03 ☐ Fetal alcohol syndrome
04 ☐ Hyaline membrane disease/RDS
05 ☐ Meconium aspiration syndrome
06 ☐ Assisted ventilation <30 min
07 ☐ Assisted ventilation ≥30 min
08 ☐ Seizures
00 ☐ None
09 ☐ Other ____ *(Specify)*

49 CONGENITAL ANOMALIES OF CHILD
(Check all that apply)
01 ☐ Anencephalus
02 ☐ Spina bifida/Meningocele
03 ☐ Hydrocephalus
04 ☐ Microcephalus
05 ☐ Other central nervous system anomalies *(Specify)* ____
06 ☐ Heart malformations
07 ☐ Other circulatory/respiratory anomalies *(Specify)* ____
08 ☐ Rectal atresia/stenosis
09 ☐ Tracheo-esophageal fistula/Esophageal atresia
10 ☐ Omphalocele/Gastroschisis
11 ☐ Other gastrointestinal anomalies *(Specify)* ____
12 ☐ Malformed genitalia
13 ☐ Renal agenesis
14 ☐ Other urogenital anomalies *(Specify)* ____
15 ☐ Cleft lip/palate
16 ☐ Polydactyly/Syndactyly/Adactyly
17 ☐ Club foot
18 ☐ Diaphragmatic hernia
19 ☐ Other musculoskeletal/integumental anomalies *(Specify)* ____
20 ☐ Down's syndrome
21 ☐ Other chromosomal anomalies *(Specify)* ____
00 ☐ None
22 ☐ Other ____ *(Specify)*

50 PARENT(S) REQUESTS SOCIAL SECURITY NUMBER BE ISSUED FOR CHILD
☐ Yes ☐ No

SAMPLE

ADRS-15 1-89

STATE OF COLORADO

REPORT OF INDUCED TERMINATION OF PREGNANCY

SAMPLE

STATE FILE NUMBER

1. FACILITY NAME *(If not clinic or hospital, give address)*	2. CITY, TOWN, OR LOCATION OF PREGNANCY TERMINATION	3. COUNTY OF PREGNANCY TERMINATION

4. PATIENT'S IDENTIFICATION	5. AGE LAST BIRTHDAY	6. MARRIED? ☐ YES ☐ NO	7. DATE OF PREGNANCY TERMINATION *(Month, Day, Year)*

8a. RESIDENCE—STATE	8b. COUNTY	8c. CITY, TOWN, OR LOCATION	8d. INSIDE CITY LIMITS? ☐ YES ☐ NO	8e. ZIP CODE

9. OF HISPANIC ORIGIN? (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify:	10. RACE ☐ American Indian ☐ Black ☐ White ☐ Other *(Specify)* ____________	11. EDUCATION *Specify only highest grade completed* (Elementary/Secondary 0-12, College 13-16, 17+)

12. DATE LAST NORMAL MENSES BEGAN *(Month, Day, Year)*	13. CLINICAL ESTIMATE OF GESTATION *(Weeks)*	14. PREVIOUS PREGNANCIES *(Complete each section)*			
		LIVE BIRTHS		**OTHER TERMINATIONS**	
		14a. Now Living Number ____ ☐ None	14b. Now Dead Number ____ ☐ None	14c. Spontaneous Number ____ ☐ None	14d. Induced *(Do not include this termination)* Number ____ ☐ None

15. TERMINATION PROCEDURES

15a. PROCEDURE THAT TERMINATED PREGNANCY *(Check only one)*	TYPE OF TERMINATION PROCEDURES	15b. ADDITIONAL PROCEDURES USED FOR THIS TERMINATION, IF ANY *(Check all that apply)*
1 ☐	Suction Curettage	☐ 1
2 ☐	Sharp Curettage	☐ 2
3 ☐	Dilation and Evacuation (D&E)	☐ 3
4 ☐	Intra-Uterine Saline Instillation	☐ 4
5 ☐	Intra-Uterine Prostaglandin Instillation	☐ 5
6 ☐	Hysterotomy	☐ 6
7 ☐	Hysterectomy	☐ 7
8 ☐	Other (Specify) ____________	☐ 8

16. NAME OF ATTENDING PHYSICIAN *(Type/Print)*	17. NAME OF PERSON COMPLETING REPORT *(Type/Print)*

ADRS 16B 1-89

DATE REGISTERED BY STATE REGISTRAR

STATE OF COLORADO

CERTIFICATE OF FETAL DEATH

STATE FILE NUMBER

FETUS

1 FETUS - NAME (First, Middle, Last)
2 SEX
3 DATE AND HOUR OF DELIVERY (Month, Day, Year, Hour)
4a FACILITY NAME (If not in institution, give street and number)
4b CITY, TOWN OR LOCATION OF DELIVERY
4c COUNTY OF DELIVERY

PARENTS

5a MOTHER'S NAME (First, Middle, Last)
5b MAIDEN SURNAME
6 DATE OF BIRTH (Month, Day, Year)
7a RESIDENCE STATE
7b COUNTY
7c CITY, TOWN, OR LOCATION
7d STREET AND NUMBER
7e INSIDE CITY LIMITS? (Yes or no)
7f ZIP CODE
8 FATHER'S NAME (First, Middle, Last)
9 DATE OF BIRTH (Month, Day, Year)

CAUSE OF FETAL DEATH

10 PART I FETAL DEATH WAS CAUSED BY: [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b) AND (c)]
SPECIFY FETAL OR MATERNAL

FETAL OR MATERNAL CONDITION DIRECTLY CAUSING FETAL DEATH — IMMEDIATE CAUSE
(a)

FETAL AND/OR MATERNAL CONDITIONS, IF ANY, GIVING RISE TO THE IMMEDIATE CAUSE (A), STATING THE UNDERLYING CAUSE LAST
DUE TO, OR AS A CONSEQUENCE OF
(b)
DUE TO, OR AS A CONSEQUENCE OF
(c)

PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER CONTRIBUTING TO FETAL DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN IN PART 1
11 FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN
12 PHYSICIAN'S ESTIMATE OF GESTATION Weeks
13 AUTOPSY (Yes or No)

CERTIFIER

14a I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD.
(Signature) M.D., D.O., OTHER (Specify)
14b DATE SIGNED (Month, Day, Year)
14c ATTENDANT - NAME (Type or Print) ☐ MD ☐ CNM ☐ DO ☐ OTHER
14d MAILING ADDRESS (Street or R.F.D. No., City, State, Zip)

DISPOSITION

15a BURIAL, CREMATION, REMOVAL (Specify)
15b CEMETERY, CREMATORY OR INSTITUTION - NAME AND LOCATION — CITY OR TOWN — STATE
16 FUNERAL DIRECTOR - NAME — ADDRESS
17 REGISTRAR'S SIGNATURE
18 DATE RECEIVED BY REGISTRAR

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

FATHER

19 RACE: American Indian, Black, White, etc. (Specify)
20 HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
21 EDUCATION (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
22a MOST RECENT OCCUPATION
22b KIND OF BUSINESS OR INDUSTRY
22c NAME AND LOCALITY OF COMPANY OR FIRM

MOTHER

23 RACE: American Indian, Black, White, etc. (Specify)
24 HISPANIC ORIGIN? (If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ NO ☐ YES
25 EDUCATION (Specify only highest grade completed) Elementary or secondary (0 through 12) College (13 through 16 or 17+)
26a MOST RECENT OCCUPATION
26b KIND OF BUSINESS OR INDUSTRY
26c NAME AND LOCALITY OF COMPANY OR FIRM
26d EMPLOYED DURING THIS PREGNANCY? ☐ NO ☐ YES

27. PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS
27a. Now Living — Number ____ ☐ None
27b. Now Dead — Number ____ ☐ None
27c DATE OF LAST LIVE BIRTH (Month, Year)

OTHER TERMINATIONS (Spontaneous and induced at any time after conception)
27d. (Do not include this fetus) — Number ____ ☐ None
27e DATE OF LAST OTHER TERMINATION (Month, Year)

28 MOTHER MARRIED? (At delivery, conception, or any time between) (Yes or No)
29 DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
30 MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc. (Specify)
31 PRENATAL VISITS—Total Number (If none, so state)
32 WEIGHT OF FETUS (Specify Unit)
33 PLURALITY—Single, Twin, Triplet, etc. (Specify)
34 IF NOT SINGLE DELIVERY-Delivered First, Second, Third, etc. (Specify)

MULTIPLE BIRTHS
Enter State File Number for Mate(s)
LIVE BIRTH(S)

FETAL DEATH(S)

1. ______
2. ______
3. ______
4. ______
5. ______

MEDICAL AND HEALTH INFORMATION

35a. MEDICAL RISK FACTORS FOR THIS PREGNANCY
(Check all that apply)
01 ☐ Anemia (Hct. <30/Hgb. <10)
02 ☐ Cardiac disease
03 ☐ Acute or chronic lung disease
04 ☐ Diabetes, gestational
05 ☐ Diabetes, pre-existing
06 ☐ Genital herpes
07 ☐ Hydramnios/Oligohydramnios
08 ☐ Hemoglobinopathy
09 ☐ Hypertension, chronic
10 ☐ Hypertension, pregnancy associated
11 ☐ Eclampsia
12 ☐ Incompetent cervix
13 ☐ Previous infant 4000+ grams
14 ☐ Previous preterm or small-for-gestational-age infant
15 ☐ Renal disease
16 ☐ Rh sensitization
17 ☐ Uterine bleeding
00 ☐ None
18 ☐ Other ______________ (Specify)

35b OTHER RISK FACTORS FOR THIS PREGNANCY
(Complete all items)
Tobacco use during pregnancy .... Yes ☐ No ☐
Average number cigarettes per day ________
Alcohol use during pregnancy .... Yes ☐ No ☐
Average number drinks per week ________
Weight gained during pregnancy ________ lbs

36 OBSTETRIC PROCEDURES
(Check all that apply)
01 ☐ Amniocentesis
02 ☐ Electronic fetal monitoring
03 ☐ Induction of labor
04 ☐ Stimulation of labor
05 ☐ Tocolysis
06 ☐ Ultrasound
00 ☐ None
07 ☐ Other ______________ (Specify)

37 COMPLICATIONS OF LABOR AND/OR DELIVERY
(Check all that apply)
01 ☐ Febrile (> 100°F, or 38 C.)
02 ☐ Meconium, moderate/heavy
03 ☐ Premature rupture of membrane (> 12 hours)
04 ☐ Abruptio placenta
05 ☐ Placenta previa
06 ☐ Other excessive bleeding
07 ☐ Seizures during labor
08 ☐ Precipitous labor (<3 hours)
09 ☐ Prolonged labor (>20 hours)
10 ☐ Dysfunctional labor
11 ☐ Breech/Malpresentation
12 ☐ Cephalopelvic disproportion
13 ☐ Cord prolapse
14 ☐ Anesthetic complications
15 ☐ Fetal distress
00 ☐ None
16 ☐ Other ______________ (Specify)

38 METHOD OF DELIVERY (Check all that apply)
01 ☐ Vaginal
02 ☐ Vaginal birth after previous C-section
03 ☐ Primary C-section
04 ☐ Repeat C-section
05 ☐ Forceps
06 ☐ Vacuum
07 ☐ Hysterotomy/Hysterectomy

39 CONGENITAL ANOMALIES OF FETUS
(Check all that apply)
01 ☐ Anencephalus
02 ☐ Spina bifida/Meningocele
03 ☐ Hydrocephalus
04 ☐ Microcephalus
05 ☐ Other central nervous system anomalies (Specify) ______________
06 ☐ Heart malformations
07 ☐ Other circulatory/respiratory anomalies (Specify) ______________
08 ☐ Rectal atresia/stenosis
09 ☐ Tracheo-esophageal fistula/Esophageal atresia
10 ☐ Omphalocele/Gastroschisis
11 ☐ Other gastrointestinal anomalies (Specify) ______________
12 ☐ Malformed genitalia
13 ☐ Renal agenesis
14 ☐ Other urogenital anomalies (Specify) ______________
15 ☐ Cleft lip/palate
16 ☐ Polydactyly/Syndactyly/Adactyly
17 ☐ Club foot
18 ☐ Diaphragmatic hernia
19 ☐ Other musculoskeletal/integumental anomalies (Specify) ______________
20 ☐ Down's syndrome
21 ☐ Other chromosomal anomalies (Specify) ______________
00 ☐ None
22 ☐ Other ______________ (Specify)

SAMPLE

ADRS-16A 1-89

STATE OF COLORADO
CERTIFICATE OF DEATH

STATE FILE NUMBER

SAMPLE

DECEDENT

1. DECEDENT'S NAME *(First, Middle, Last)*
2. SEX
3. DATE OF DEATH *(Month, Day, Year)*
4. SOCIAL SECURITY NUMBER
5a. AGE - Last Birthday (Years)
5b. UNDER 1 YEAR Mos | Days
5c. UNDER 1 DAY Hrs | Mins
6. DATE OF BIRTH *(Month, Day, Year)*
7. BIRTHPLACE *(City and State or Foreign Country)*
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? ☐ Yes ☐ No
9a. PLACE OF DEATH *(Check only one)*
HOSPITAL ☐ Inpatient ☐ ER/Outpatient ☐ DOA
OTHER ☐ Nursing Home ☐ Residence ☐ Other *(Specify)*
9b. FACILITY NAME *(If not institution, give street and number)*
9c. CITY, TOWN, OR LOCATION OF DEATH
9d. COUNTY OF DEATH
10a. DECEDENT'S USUAL OCCUPATION *(Give kind of work done during most of working life. Do not use retired.)*
10b. KIND OF BUSINESS/INDUSTRY
11. MARITAL STATUS - Married, Never Married, Widowed, Divorced *(Specify)*
12. SPOUSE *(If wife, give maiden name)*
13a. RESIDENCE-STATE
13b. COUNTY
13c. CITY, TOWN, OR LOCATION
13d. STREET AND NUMBER
13e. INSIDE CITY LIMITS? ☐ Yes ☐ No
13f. ZIP CODE
14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes *Specify:*
15. RACE American Indian, Black, White, etc. *(Specify)*
16. DECEDENT'S EDUCATION *(Specify only highest grade completed)* Elementary or secondary *(0 through 12)* College (13 through 16 or 17+)

PARENTS

17. FATHER-NAME *(First, Middle, Last)*
18. MOTHER-NAME *(First, Middle, Last (Maiden Name))*
19. INFORMANT-NAME and relationship to deceased

DISPOSITION

20a. METHOD OF DISPOSITION
☐ Burial ☐ Cremation ☐ Removal from State
☐ Donation ☐ Other *(Specify)* ____________
20b. PLACE OF DISPOSITION *(Name of cemetery, crematory, or other place)*
20c. LOCATION - City or Town, State
21a. SIGNATURE OF FUNERAL DIRECTOR OR PERSON ACTING AS SUCH ▶
21b. NAME AND ADDRESS OF FACILITY
ZIP:
22a. REGISTRAR'S SIGNATURE ▶
22b. DATE FILED *(Month, Day, Year)*

23. TIME OF DEATH M
24. DATE PRONOUNCED DEAD *Month Day Year Hour*
25. WAS CORONER NOTIFIED? *(Yes or No)*

CERTIFIER

1 ______
2 ______
3 ______

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN

26. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) and manner as stated.
Signature ▶
28. DATE SIGNED *(Month, Day, Year)*

TO BE COMPLETED BY CORONER

27. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place, and due to the cause(s) and manner as stated.
Signature ▶
29. DATE SIGNED *(Month, Day, Year)*

30. NAME, TITLE AND MAILING ADDRESS OF CERTIFIER/CORONER *(Type/Print)*
ZIP:
31. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER *(Type/Print)*

4 ______
5 ______

32. MANNER OF DEATH
☐ Natural ☐ Pending Investigation
☐ Accident
☐ Suicide ☐ Undetermined Manner
☐ Homicide
33a. DATE OF INJURY *(Month, Day, Year)*
33b. TIME OF INJURY M
33c. INJURY AT WORK? ☐ Yes ☐ No
33d. DESCRIBE HOW INJURY OCCURRED
33e. PLACE OF INJURY-At home, farm, street, factory, office building, etc. *(Specify)*
33f. LOCATION (Street and Number or Rural Route Number, City, County, State)

CAUSE OF DEATH

PART I
34. IMMEDIATE CAUSE [*ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).*] Do not enter mode of dying (e.g. Cardiac or Respiratory Arrest) alone — Interval between onset and death
(a) ____________________
CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING THE UNDERLYING CAUSE LAST (c)
DUE TO OR AS A CONSEQUENCE OF — Interval between onset and death
(b) ____________________
DUE TO OR AS A CONSEQUENCE OF — Interval between onset and death
(c) ____________________

PART II OTHER SIGNIFICANT CONDITIONS – Conditions contributing to death but not related to cause in PART I (e.g., alcohol abuse, obesity, smoker)
35. AUTOPSY *(Yes or No)*
36. IF YES were findings considered in determining cause of death?

ADRS-16 1-89 (Rev. 1-91)

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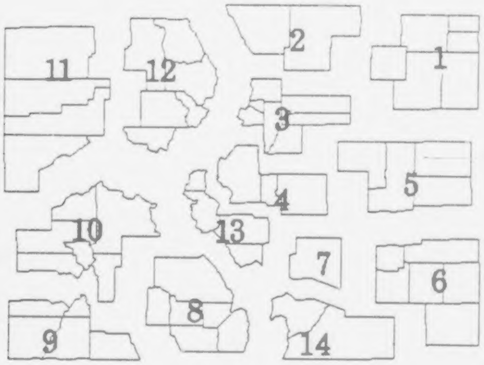
Colorado Substate Regions

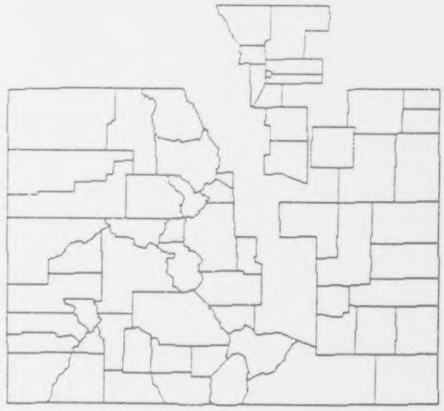
Four frequently used county groups appear below. These and other substate regions are useful in working with data for sparsely populated areas of the state. They also offer a way to assess a county in terms of its neighbors or to compare one part of the state to another. A map showing Colorado counties and county seats is printed inside the front cover of this report.

Planning and Management Regions



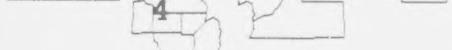
This 14-county arrangement evolved from regions designated by the governor in 1977 for general-purpose planning. Regions are similar in physical size but differ considerably in population. PMRs are referred to by their numbers. 1: Logan, Morgan, Phillips, Sedgwick, Washington, Yuma 2: Larimer, Weld 3: Adams, Arapahoe, Boulder, Clear Creek, Denver, Douglas, Gilpin, Jefferson 4: El Paso, Park, Teller 5: Cheyenne, Elbert, Kit Carson, Lincoln 6: Baca, Bent, Crowley, Kiowa, Otero, Prowers 7: Pueblo 8: Alamosa, Conejos, Costilla, Mineral, Rio Grande, Saguache 9: Archuleta, Dolores, La Plata, Montezuma, San Juan 10: Delta, Gunnison, Hinsdale, Montrose, Ouray, San Miguel 11: Garfield, Mesa, Moffat, Rio Blanco 12: Eagle, Grand, Jackson, Pitkin, Routt, Summit 13. Chaffee, Custer, Fremont, Lake 14: Huerfano, Las Animas.

Metro/Non-Metro Counties



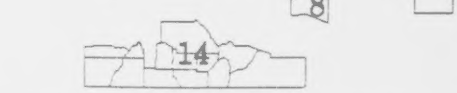
The Metropolitan Statistical Area (MSA) system was created in 1983 for use by the U.S. Bureau of the Census. This division of the state into metro and non-metro counties has many applications. Metro counties are concentrated along the Front Range. The Denver Primary Metropolitan Statistical Area (PMSA) comprises Adams, Arapahoe, Denver, Douglas and Jefferson counties. The Boulder-Longmont PMSA comprises Boulder County. Together, these two PMSAs make up the Denver-Boulder Consolidated Metropolitan Statistical Area (CMSA). MSAs in the state are Greeley (Weld County), Fort Collins-Loveland (Larimer County), Colorado Springs (El Paso County), and Pueblo (Pueblo County). Since most of Colorado's metro counties contain large rural areas, care should be used when interpreting metro/nonmetro groupings as urban/rural.

Five-Region Substate Groups



An informal grouping of Colorado counties, this arrangement is useful in having fewer regions to consider. Eighty percent of the state's population lives in the Front Range. 1. Front Range: Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, Weld 2. Western Slope: Archuleta, Delta, Dolores, Eagle, Garfield, Grand, Gunnison, Hinsdale, Jackson, La Plata, Mesa, Moffat, Montezuma, Montrose, Ouray, Pitkin, Rio Blanco, Routt, San Juan, San Miguel, Summit 3. Eastern Plains: Baca, Bent, Cheyenne, Crowley, Elbert, Kiowa, Kit Carson, Lincoln, Logan, Morgan, Otero, Phillips, Prowers, Sedgwick, Washington, Yuma 4. San Luis Valley: Alamosa, Conejos, Costilla, Mineral, Rio Grande, Saguache 5. Eastern Mountains: Chaffee, Clear Creek, Custer, Fremont, Gilpin, Huerfano, Lake, Las Animas, Park, Teller.

Population-Based Regions



Based on region groupings developed by the U.S. Census Bureau, this system divides the state into 14 regions: nine large metro counties and five groups of counties with smaller populations. This results in regions that have large enough populations to be considered separately or compared with one another. 1: Denver 2: Jefferson 3: Boulder 4: Adams 5: Arapahoe 6: El Paso 7: Larimer 8: Pueblo 9. Weld 10. Northwestern: Garfield, Mesa, Moffat, Rio Blanco 11. Western: Delta, Eagle, Grand, Gunnison, Hinsdale, Jackson, Montrose, Ouray, Pitkin, Routt, San Miguel, Summit 12. Eastern: Baca, Bent, Cheyenne, Crowley, Elbert, Kiowa, Kit Carson, Lincoln, Logan, Morgan, Otero, Phillips, Prowers, Sedgwick, Washington, Yuma 13. Central: Chaffee, Clear Creek, Custer, Douglas, Fremont, Gilpin, Lake, Park, Teller 14. Southern: Alamosa, Archuleta, Conejos, Costilla, Dolores, Huerfano, La Plata, Las Animas, Mineral, Montezuma, Rio Grande, Saguache, San Juan.

Colorado Department of Health
Health Statistics and Vital Records Division
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